PROMETHEUS

Цей сертифікат засвідчує, що

Вадим Литвин

успішно закінчив(ла) курс

Основи програмування CS50 2019,

наданий платформою масових відкритих онлайн-курсів **Prometheus**.

BRAINBASKET
FOUNDATION

Відродження
міжнародний фонд
INTERNATIONAL RENAISSANCE FOUNDATION

CPA: Programming Essentials in C++

During the Cisco Networking Academy® course, administered by the undersigned instructor, the student has studied the following skills:

Laura Quintana
Laura Quintana
VP & General Manager, Cisco Networking Academy

This Statement of Achievement is to acknowledge that during the course **CPA: Programming Essentials in C++**, the student has been able to accomplish coding tasks related to the basics of programming in the C++ language, and understands the fundamental notions and techniques used in object-oriented programming.

By completing the course, the student is now ready to attempt the qualification **CPA – C++ Certified Associate Programmer Certification**, from the C++ Institute.

Vladis Kuznetsov

Student

National Transport University

Academy Name

Ukraine

Location

1 Feb 2024

Date

Vladis Kuznetsov

Instructor

kaggle

CERTIFICATE OF COMPLETION

Vladis Kuznetsov

HAS SUCCESSFULLY COMPLETED THE COURSE

Python

ON FEBRUARY 18, 2024

COLIN MORRIS, KAGGLE INSTRUCTOR

ALEXIS COOK, HEAD OF KAGGLE LEARN
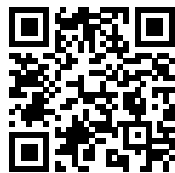
Networking Academy
CISCO

Certificate of Course Completion

Дмитрий Граненко Граненко Дмитро

has successfully achieved student level credential for completing the **Introduction to Internet of Things** course.

The student was able to proficiently:

- Explain how IoT and Digital Transformation are positively impacting businesses and governments.
- Explain the importance of software and data for digital businesses and society.
- Explain the benefits of automation and artificial intelligence for digital transformation.
- Explain the concepts of Intent Based Networking.
- Explain the need for enhanced security in the digitized world.

Networking Academy
CISCO
Verified
Introduction to Internet of Things

Scan to Verify

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

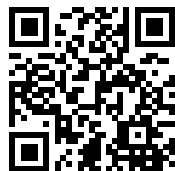March 19, 2024

'ılıılı' Networking
CISCO Academy

Certificate of Course Completion

Женя Мельник

has successfully achieved student level credential for completing the Introduction to Internet of Things course.

The student was able to proficiently:

- Explain how IoT and Digital Transformation are positively impacting businesses and governments.
- Explain the importance of software and data for digital businesses and society.
- Explain the benefits of automation and artificial intelligence for digital transformation.
- Explain the concepts of Intent Based Networking.
- Explain the need for enhanced security in the digitized world.

Networking
CISCO Academy
Verified
Introduction to Internet of Things

Scan to Verify

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

March 19, 2024

Networking Academy
CISCO

Certificate of Course Completion

Orest Panchyshyn

has successfully achieved student level credential for completing the **Introduction to Internet of Things** course.

The student was able to proficiently:

- Explain how IoT and Digital Transformation are positively impacting businesses and governments.
- Explain the importance of software and data for digital businesses and society.
- Explain the benefits of automation and artificial intelligence for digital transformation.
- Explain the concepts of Intent Based Networking.
- Explain the need for enhanced security in the digitized world.

Networking Academy
CISCO
Verified
Introduction to Internet of Things

Scan to Verify

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

March 19, 2024

Networking Academy
CISCO

Certificate of Course Completion

Antonina Pokotylenko

has successfully achieved student level credential for completing the **Introduction to Internet of Things** course.

The student was able to proficiently:

- Explain how IoT and Digital Transformation are positively impacting businesses and governments.
- Explain the importance of software and data for digital businesses and society.
- Explain the benefits of automation and artificial intelligence for digital transformation.
- Explain the concepts of Intent Based Networking.
- Explain the need for enhanced security in the digitized world.

CISCO Networking Academy
Verified
Introduction to Internet of Things

Scan to Verify

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

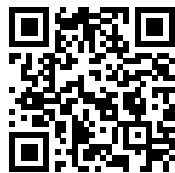March 19, 2024

Networking Academy
CISCO

Certificate of Course Completion

Den Tytovych

has successfully achieved student level credential for completing the **Introduction to Internet of Things** course.

The student was able to proficiently:

- Explain how IoT and Digital Transformation are positively impacting businesses and governments.
- Explain the importance of software and data for digital businesses and society.
- Explain the benefits of automation and artificial intelligence for digital transformation.
- Explain the concepts of Intent Based Networking.
- Explain the need for enhanced security in the digitized world.

Networking Academy
CISCO
Verified
Introduction to Internet of Things

Scan to Verify

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

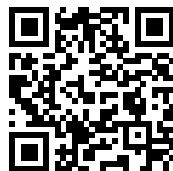March 02, 2024

CISCO Networking Academy

Certificate of Course Completion

Олександр Шарабар

has successfully achieved student level credential for completing
the **Introduction to Internet of Things** course.

The student was able to proficiently:

- Explain how IoT and Digital Transformation are positively impacting businesses and governments.
- Explain the importance of software and data for digital businesses and society.
- Explain the benefits of automation and artificial intelligence for digital transformation.
- Explain the concepts of Intent Based Networking.
- Explain the need for enhanced security in the digitized world.

CISCO Networking Academy
Verified
Introduction to
Internet of Things

Scan to Verify

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

March 19, 2024

PYTHON INSTITUTE
Open Education & Development Group

OPENEDG

Statement of Achievement

PCAP: Programming Essentials in Python

The graduate of the *PCAP: Programming Essentials in Python* course, administered by the undersigned instructor, and provided by **Cisco Networking Academy®** in collaboration with **OpenEDG Python Institute**:

- knows the universal concepts of computer programming, including variables, data structures, algorithms, control flow, functions, and exceptions;

- can proficiently use the developer tools, the runtime environment, and the syntax and semantics of the Python language;

- can use fundamental programming techniques, best practices, customs, and vocabulary, including the most common standard library functions in Python 3;

- can write Python programs using standard language infrastructure, and knows the means by which to resolve typical implementation problems;

- knows how to work with modules and packages, process text and binary files, and use generators, iterators, and closures;

- understands the fundamentals of object-oriented programming (OOP) and the way they are adopted in Python.

Maksym Pysanyi

Student

National Transport University

Academy Name

Ukraine

Location

5 Jan 2024

Date

Laura Quintana
Laura Quintana
VP & General Manager, Cisco Networking Academy

www.netacad.com | www.pythoninstitute.org

Statement of Achievement

PCAP: Programming Essentials in Python

The graduate of the *PCAP: Programming Essentials in Python* course, administered by the undersigned instructor, and provided by **Cisco Networking Academy**® in collaboration with **OpenEDG Python Institute**:

- knows the universal concepts of computer programming, including variables, data structures, algorithms, control flow, functions, and exceptions;

- can proficiently use the developer tools, the runtime environment, and the syntax and semantics of the Python language;

- can use fundamental programming techniques, best practices, customs, and vocabulary, including the most common standard library functions in Python 3;

- can write Python programs using standard language infrastructure, and knows the means by which to resolve typical implementation problems;

- knows how to work with modules and packages, process text and binary files, and use generators, iterators, and closures;

- understands the fundamentals of object-oriented programming (OOP) and the way they are adopted in Python.

Oleksandra Pavlenko PR-II-II

Student

National Transport University

Academy Name

Ukraine   **5 Jan 2024**

Location   Date

Laura Quintana
Laura Quintana
VP & General Manager, Cisco Networking Academy

Statement of Achievement

PCAP: Programming Essentials in Python

The graduate of the *PCAP: Programming Essentials in Python* course, administered by the undersigned instructor, and provided by **Cisco Networking Academy**® in collaboration with **OpenEDG Python Institute**:

- knows the universal concepts of computer programming, including variables, data structures, algorithms, control flow, functions, and exceptions;

- can proficiently use the developer tools, the runtime environment, and the syntax and semantics of the Python language;

- can use fundamental programming techniques, best practices, customs, and vocabulary, including the most common standard library functions in Python 3;

- can write Python programs using standard language infrastructure, and knows the means by which to resolve typical implementation problems;

- knows how to work with modules and packages, process text and binary files, and use generators, iterators, and closures;

- understands the fundamentals of object-oriented programming (OOP) and the way they are adopted in Python.

Vadym Pavliuchenko

Student

National Transport University

Academy Name

Ukraine   **5 Jan 2024**

Location   Date

Laura Quintana
Laura Quintana
VP & General Manager, Cisco Networking Academy

Statement of Achievement

PCAP: Programming Essentials in Python

The graduate of the *PCAP: Programming Essentials in Python* course, administered by the undersigned instructor, and provided by **Cisco Networking Academy**[®] in collaboration with **OpenEDG Python Institute**:

- knows the universal concepts of computer programming, including variables, data structures, algorithms, control flow, functions, and exceptions;

- can proficiently use the developer tools, the runtime environment, and the syntax and semantics of the Python language;

- can use fundamental programming techniques, best practices, customs, and vocabulary, including the most common standard library functions in Python 3;

- can write Python programs using standard language infrastructure, and knows the means by which to resolve typical implementation problems;

- knows how to work with modules and packages, process text and binary files, and use generators, iterators, and closures;

- understands the fundamentals of object-oriented programming (OOP) and the way they are adopted in Python.

Валерій Чижевський

Student

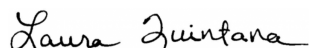**National Transport University**

Academy Name

Ukraine

Location

5 Jan 2024

Date

Laura Quintana
Laura Quintana
VP & General Manager, Cisco Networking Academy

Statement of Achievement

PCAP: Programming Essentials in Python

The graduate of the *PCAP: Programming Essentials in Python* course, administered by the undersigned instructor, and provided by **Cisco Networking Academy®** in collaboration with **OpenEDG Python Institute**:

- knows the universal concepts of computer programming, including variables, data structures, algorithms, control flow, functions, and exceptions;

- can proficiently use the developer tools, the runtime environment, and the syntax and semantics of the Python language;

- can use fundamental programming techniques, best practices, customs, and vocabulary, including the most common standard library functions in Python 3;

- can write Python programs using standard language infrastructure, and knows the means by which to resolve typical implementation problems;

- knows how to work with modules and packages, process text and binary files, and use generators, iterators, and closures;

- understands the fundamentals of object-oriented programming (OOP) and the way they are adopted in Python.

Євгеній Мельник

Student

National Transport University

Academy Name

Ukraine

Location

5 Jan 2024

Date

Laura Quintana
Laura Quintana
VP & General Manager, Cisco Networking Academy