

EDGE-RUET CSE Digital Skill Training Program

Training Track: Python (Django)

Batch No. RUETCSEB0107

Module 7: Python Basics – OOP and Data Structures

Introduction to Object-Oriented Programming (OOP), creating and using classes and objects, applying concepts like inheritance, polymorphism, and encapsulation, solving data structure and algorithm problems.

Date: 27 November 2024 | Wednesday | 05:00 PM – 08:00 PM

Venue: Software (SW) Lab, 1st Floor, Department of CSE, RUET



Code Studio
Rajshahi, Bangladesh

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#Trainer

Object Oriented Programming, Class & Object Creation, Parent Class, Child Class, Parameter, Attribute, Method, Argument, Encapsulation, Polymorphism, Inheritance, Abstraction, Public, Private, Protected, Python String Slicing, Binary Search Tree, Sorting, Data Structure & Algorithm Problem Solving

Introduction to Object-Oriented Programming (OOP)

Modularity, Reusability, and Scalability.



Using Python

Key Features

- **Encapsulation**
- **Inheritance**
- **Polymorphism**
- **Abstraction**

Create Class & Object

Learn

Link: https://www.w3schools.com/python/python_classes.asp

Practice Now

Inheritance

Learn

Link: https://www.w3schools.com/python/python_inheritance.asp

Practice Now

Polymorphism

Learn

Link: https://www.w3schools.com/python/python_polymorphism.asp

Practice Now



Let's Make **RUET.js** Framework

RUET.js Framework

Learn

Link: https://www.w3schools.com/python/python_modules.asp

Make it Now

Abstraction

Encapsulation

- **Public**
- **Protected**
- **Private**

Code Files: <https://github.com/soykothosen/EDGE-RUET-CSE-RUETCSEB0107>

Questions & Answer Session

Thank You