



CS502

Course Content

- Introduction to Python
- Python Basics
- Datatype in python
- Flow Control
- Functions
- Files
- Object Oriented Programming
- Introduction To Data Science

Course Content

● Introduction to Python

- What is programming?
- Why Python?
- What is python interpreter?
- Writing our first program in Python
- Comments in python

- Python Basics
- Datatype in python
- Flow Control
- Functions
- Files
- Object Oriented Programming
- Introduction To Data Science

Course Content

● Introduction to Python

● Python Basics

- What is Variable?
- Variable naming rules
- Basic Mathematical operation
- Assignment operator
- Reading Input
- Printing Output

● Datatype in python

● Flow Control

● Functions

● Files

● Object Oriented Programming

● Introduction To Data Science

Course Content

- Introduction to Python
- Python Basics

● Datatype in python

- Integer
- float
- String (String Functions)
- Boolean
- Type casing
- Collections
 - List (List Functions)
 - Tuple (Tuple Functions)
 - Set (Set Functions)
 - Dictionary (Dictionary Functions)

- Flow Control
- Functions
- Files
- Object Oriented Programming
- Introduction To Data Science

Course Content

- Introduction to Python
- Python Basics
- Datatype in python

● Flow Control

- Condition Statement
- *if* statement
- Loops
 - while
 - for
 - break
 - continue

- Functions
- Files
- Object Oriented Programming
- Introduction To Data Science

Course Content

- Introduction to Python
- Python Basics
- Datatype in python
- Flow Control

● Functions

● Function types

- (with/without) input, (with/without) output
- recursion
- decorator
- closure
- *lambda*

● parameter types

- default parameter
- kwargs
- **args, **kwargs*

● Scope & Namespace

- Files
- Object Oriented Programming
- Introduction To Data Science

Course Content

- Introduction to Python
- Python Basics
- Datatype in python
- Flow Control
- Functions

● Files

- exceptions
- modules
- reading files
- writing files

- Object Oriented Programming
- Introduction To Data Science

Course Content

- Introduction to Python
- Python Basics
- Datatype in python
- Flow Control
- Functions
- Files

● Object Oriented Programming

- creating class and objects
- class, instance, static methods
- property class
- inheritance and Multiple inheritance
- polymorphism and encapsulation

- Introduction To Data Science

Course Content

- Introduction to Python
- Python Basics
- Datatype in python
- Flow Control
- Functions
- Files
- Object Oriented Programming

● **Introduction To Data Science**

- Numpy
- Pandas
- Project (download dataset from kaggle, preprocess it analyse it)