* Defining a class in Python
* Instantiating an Object in Python
* Overriding default constructor
* Defining custom constructor
* Overriding str and repr methods
* Overview of Inheritance
* Adding additional methods
* Using Class in other program files
* Exercise and Solution

1. What is the syntax to define a class in Python?

a) class ClassName:

b) class ClassName{}

c) ClassName = class()

d) class() ClassName

Answer: a) class ClassName:

1. Which of the following is an example of object instantiation in Python?

a) MyClass()

b) class MyClass:

c) MyClass = class()

d) def MyClass():

Answer: a) MyClass()

1. How can you override the default constructor in Python?

a) By defining a new method called init() in the class

b) By defining a new method called construct() in the class

c) By defining a new method called new() in the class

d) By defining a new method called create() in the class

Answer: a) By defining a new method called init() in the class

1. What is the syntax for defining a custom constructor in Python?

a) def init():

b) def construct():

c) def new():

d) def custom\_constructor():

Answer: a) def init():

1. How can you override the str method in Python?

a) By defining a new method called str() in the class

b) By defining a new method called repr() in the class

c) By defining a new method called string() in the class

d) By defining a new method with a different name in the class

Answer: a) By defining a new method called str() in the class

1. What is the syntax for inheriting from a class in Python?

a) class ChildClass(ParentClass):

b) class ParentClass(ChildClass):

c) class ChildClass{ParentClass}:

d) class ParentClass{ChildClass}:

Answer: a) class ChildClass(ParentClass):

1. What is the purpose of adding additional methods to a class in Python?

a) To perform additional actions on an object

b) To override existing methods

c) To delete existing methods

d) To create a new class

Answer: a) To perform additional actions on an object

1. What is the purpose of importing a class from another file in Python?

a) To reuse the class in a different program

b) To create a new class

c) To delete a class

d) To modify an existing class

Answer: a) To reuse the class in a different program

1. What is the purpose of inheritance in Python?

a) To reuse code

b) To create new classes

c) To override methods

d) To delete methods

Answer: a) To reuse code

1. What is the repr method in Python?

a) A method that returns a string representation of an object

b) A method that returns an integer representation of an object

c) A method that returns a float representation of an object

d) A method that returns a boolean representation of an object

Answer: a) A method that returns a string representation of an object