

OOPs

- 1) Write a Python program for finding area of rectangle using classes?
- 2) Write a Python Program to Create a Class in which One Method Accepts a String from the User and Another Prints it?
- 3) Write a Python Program to Create a Class and Compute the Area and the Perimeter of the Circle?
- 4) Write a Python class to reverse a string word by word?
- 5) Write a Python class to get all possible unique subsets from a set of distinct integers.
Input:[1,2,3]
Output:[[],[3],[2],[2,3],[1],[1,3],[1,2],[1,2,3]]
- 6) Write a class program for complex numbers?
- 7) Write a program with class Person and its two child classes: Male and Female. All classes have a method "getGender" which can print "Male" for Male class and "Female" for Female class.
- 8) Write a program with class Shape and its subclass Square. The Square class has an init function which takes a length argument. Both classes have a area function which can print the area of the shape?
- 9) Write a program with class India and its subclass NewDelhi ?
- 10) Write an example class program for isinstance() and isinstance()?
- 11) Write an example class program for multiple and multilevel inheritance?
- 12) Write a program with class Circle which can be constructed by a radius. The Circle class has a method which can compute the area.
- 13) Write a program with Two different class name with two or more methods which are same in both the classes ,but functionality is different. Instantiate these classes to objects and call same methods from the class?
- 14) Write an example program where we can use setter and getter in classes?
- 15) Write an example program to access private variable and change the private variable?
- 16) Write an example program for that explain the functionality of following functions
__dict__, __doc__, __name__, __module__, __bases__?
- 17) Write a program with class name Exponent that calculate power of a value using data hiding and access the object attribute?