

C.U. SHAH INSTITUTE OF COMPUTER APPLICATION
CC – 305 PYTHON PROGRAMMING PRACTICAL
ASSIGNMENT – 3

Given Date: 08/08/2022

Submission Date: 23/08/2022

By: Dipti Bhatt

1. Explain types of variables in detail with suitable examples.
2. Explain types of methods in detail with suitable examples.
3. What is an Inheritance? Explain types of Inheritance with its diagram and example.
4. How super class method and constructor overridden in subclass? Explain with example.
5. Write a program to create a student class with name, age and marks as data members. Also create a method named display () to view the student details. Create an object to Student class and call the method using the object.
6. Write a program to store data into instances using mutator methods and to retrieve data from the instances using accessor methods.
7. Create a student class with the methods set_id, get_id, set_name, get_name, set_marks and get_marks where the method name starting with set are used to assign the values and method name starting with get are returning the values. Save the program by student.py. Create another program to use the student class which is already available in student.py.
8. Write a program to access the base class constructor from a sub class by using super () method and also without using super () method.
9. Write a program to override super class constructor and method in sub class.
10. Write a program to implement multiple inheritance using two base classes.
11. Write a program to implement hierarchical inheritance.
12. Write a program to implement hybrid inheritance.
