Practical-8 Date:_____

AIM:

i. Create a class vehicle which stores the vehicleno and chassisno as a member. Define another class for scooter, which inherits the data members of the class vehicle and has a data member for a storing wheels and company. Define another class for which inherits the data member of the class vehicle and hasa data member for storing price and company. Display the data from derived class. Use virtual function.
ii. Create a base class shape. Use this class to store two double type values that could be used to compute the area of figures. Derive two specific classes called triangle and rectangle from the base shape. Add to the base class, a member function get_data() to initialize the base class data members and another member function display_area() to compute and display the area of figures. Make display_area() as a virtual function and redefine this function in the derived class to suit their requirements.
iii. Write a program to demonstrate the use of pure virtual function.
iv. For multiple inheritance, write a program to show the invocation of constructor and destructor.
v. Create a class string with character array as a data member and write a program to add two strings with use of operator overloading concept.
vi. Create a class distance which contains feet and inch as a data member. Overhead = =, operator for the same class. Create necessary functions and constructors too.