

SET 33

(Protected Inheritance and Packages)

1. Write a program to inherit 3 classes in multilevel inheritance and get the biggest of three data members in three classes. All the data members should be protected.
2. Write a program to inherit 3 classes in multilevel inheritance and get the average of three data members in three classes. All the data members should be protected.
3. Write a program to inherit 5 classes in multilevel scenario and add all the 5 protected data members in array by using a method `getArray()` in derive class and return the array to main class and pass the array from main to other class in another method `getCount()` and count number of positive, negative and zero element in array .
4. Write a program to inherit 5 classes in multilevel scenario and add all the 5 protected data members in array by using a method `getArray()` in derive class and return the array to main class and pass the array from main to other class in another method `getSortedInAsecending()` to sort the array .
5. Write a program to inherit 5 classes in multilevel scenario and add all the 5 protected data members in array by using a method `getArray()` in derive class and return the array to main class and pass the array from main to other class in another method `getUnique()` to get the unique element from the array .
6. Write a program to create the package & to use it for all arithmetic operations. Import the package & use them.
7. Write a program to create a package to find area of different entities like triangle, circle, rectangle & square. Import the package & use them.(All different classes in the packages)
8. Write a program to create a package where it have some classes like reverse, binary to decimal and decimal to binary and it have a respective functions and use the package by importing it.

9. Write a program to create a package which contains some classes like sort having two methods like ascending & descending and another class rotate it contains two functions fromTop() and fromBottom(). Import the package & use them.
10. Write a program to create one package which contains some classes like Addition and Subtraction for matrix. Import the package & use them.
