Academy of Technology
Department of Computer Science & Engineering, Semester: 5TH
Paper Name: Object Oriented Programming Lab
Paper Code: PCC-CS593

Laboratory Assignment: 9

9.1 Write a java program to illustrate the access protection of private, default, protected & public in java from the same package and different package.

9.2 Write a java program to create a package named mypack, include a class named Shape under this package. Define a method getArea() under the Shape class and overload the getArea() to calculate area of a rectangle, a square and a circle in the same class. Now, import the mypack package from another class named Figure and call the respective method to calculate area of a rectangle, a square and a circle by providing appropriate data.

9.3 Write a java program to create a package named calculation, include a class named Operations under this package. Define two methods sum() and multiply() under the Operations class and overload the sum() and multiply() to calculate sum and product of different data types in the same class. Now, import the calculation package from another class named TwoOperations and call the respective method to calculate sum and product by providing appropriate data.

9.4 Write a java program to create a package named mathcal, include a class named FactGCD under this package. Define two methods calFactorial() and calGCD() under the FactGCD class. Now, create a sub-package of mathcal named mathcheck, include a class named Prime. Define a method isPrime() under the Prime class. Now, import mathcal and mathcheck packages from another class named Calculations and call the respective method by providing appropriate data.