# Object Oriented Programming 1 :: Midterm Task-1

1. Develop the Student class and show the use of different methods in main method.

| Student | String name<br>String id<br>String department<br>float cgpa | instance variables<br>declare private |
|---------|------------------------------------------|---------------------------------------|
|         | 2 Constructor (Empty, valued)            |                                       |
|         | Setter Methods                           |                                       |
|         | Getter Methods                           |                                       |
|         | showInfo()                               |                                       |

1. Develop the Triangle class and show the use of different methods in main method.

| Triangle | int x<br>int y<br>int z | instance variables<br>declare private |
|----------|-------------------------|---------------------------------------|
|          | 2 Constructor (Empty, valued) |                                 |
|          | Setter Methods          |                                       |
|          | Getter Methods          |                                       |
|          | showInfo                |                                       |
|          | testTriangle()          | It will check whether the triangle is equilateral (3 equal sides), isosceles (2 equal sides), scalene (no equal sides) |