OOPM PRACTICAL LIST (2014-15)

1) **WAP in JAVA to check whether no is prime or not.**

2) **WAP in JAVA to find factorial of a number using recursive method.**

3) **WAP in JAVA to generate first 20 terms in Fibonacci series.**

4) **WAP in JAVA to sort an array of 10 elements in descending order.**

5) **WAP in JAVA to multiply two 3*3 matrices.**

6) **WAP in JAVA to create multiplication table in following format**
   1 2 3
   2 4 6
   3 6 9

7) **WAP in JAVA to overload "max()" method to find maximum between 2 integer number and 2 float number.**

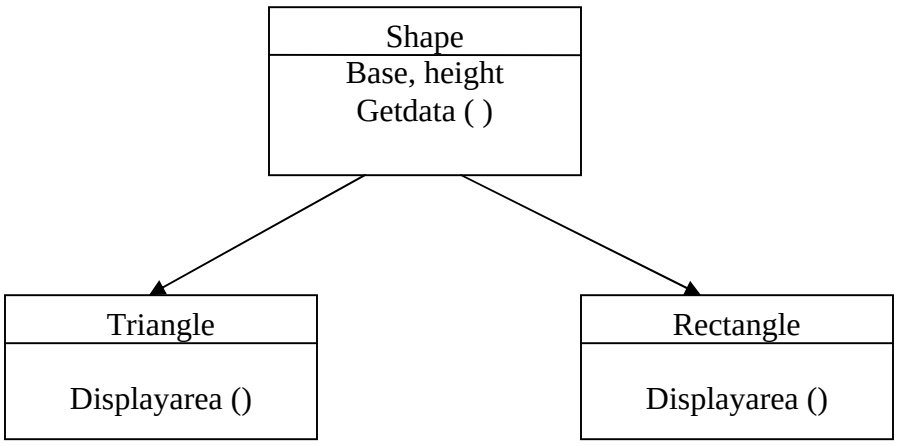
8) **WAP in JAVA to implement following string methods**
   i)concat() ii) indexOf() iii) toUpperCase() iv) length() v) charAt()

9) **WAP in JAVA to implement Vector class (any 5 methods).**

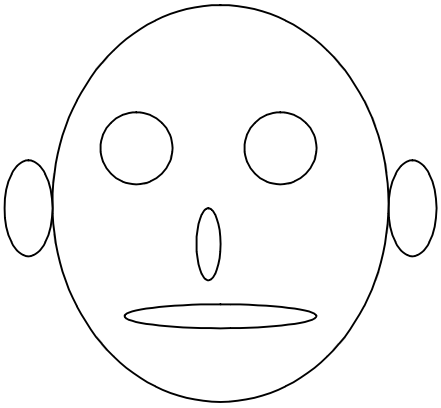
10) **WAP in JAVA to handle ArrayIndexOutOfBoundsException and ArithmeticException.**

11) **WAP in JAVA to create one package (e. g. MyPackage) and add any two classes in that package. Import that package in some other program.**

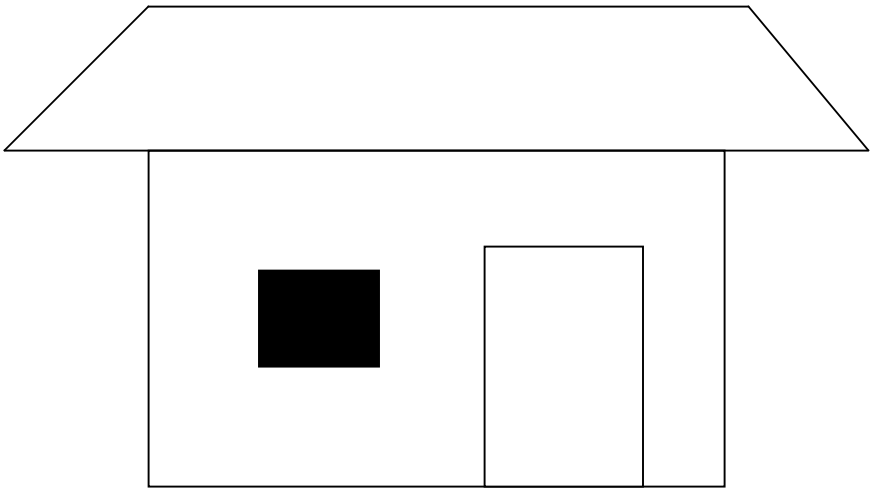
12)**WAP in JAVA to implement the following hierarchical inheritance.**



13) Create an applet to print following output on screen



14) **Create an applet to print following output on screen.**

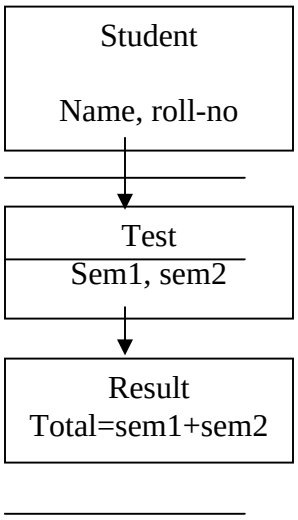


15) WAP in JAVA to add two 3*3 matrices and print sum of the elements of both the matrices individually.

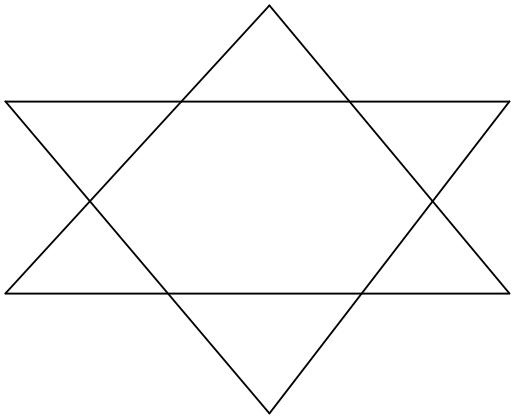
16) WAP in JAVA to demonstrate multithreading using Thread class.

17) WAP in JAVA to print 1A2B3C4D5E6F7G8H9I10J.

18) WAP in JAVA to implement the following Multilevel Inheritance



19) Create an applet to print following output on screen.



20) WAP in JAVA to print sum of digits of given number using command-line argument.

21) WAP in JAVA for addition of two complex numbers using constructor overloading.

22) WAP in Java to find maximum and minimum between 3 numbers using decision making statements (input with command-line argument)

23) WAP in Java to find smallest of n numbers taken from user using array.

24) WAP in Java to create a Rectangle class ,objects,and implement method to calculate area of rectangle.

25) WAP in Java to implement method overloading to calculate area of rectangle.

26) WAP in Java to demonstrate interfaces in java.

27) WAP in Java to print follwing pattern

```
        1
      1 2 A
    1 2 3 B A
  1 2 3 4 C B A
1 2 3 4 5 D C B A
```