**1.)A company to calculate the cost of product based on the weight**

**represented as w.**

**cost(w)=2.5 if 0<w<=1**

**5.5 if 1<w<=3**

**8.5 if 3<w<=10**

**10.5 if 10<w<=20**

**50 if w>20**

**Write java program that prompts the user to enter the weight of the package through console and display the product cost.Modularize to a class**

**level with appropriate access specifiers.**

**//Cost Class**

**public** **class** Cost {

**float** wei;

**private** **float** Cost;

**public** String findCost()

{

**if**(wei>0 && wei<=1)

Cost=2.5f;

**else** **if**(wei>1 && wei<=3)

Cost=5.5f;

**else** **if**(wei>3 && wei<=10)

Cost=8.5f;

**else** **if**(wei>10&& wei<=20)

Cost= 10.5f;

**else** **if**(wei>20)

{

Cost=50f;

}

**return** "RS "+ (Cost\*wei);

}

**public** String toString()

{

String str=String.*format*("Cost is %s%n",findCost());

**return** str;

}

}

**//Weight Class**

**import** java.util.Scanner;

**public** **class** Weight {

**public** **static** **void** main(String[] args) {

**float** wei;

Scanner s=**new** Scanner(System.***in***);

Cost c=**new** Cost();

System.***out***.println("Enter the weight=");

c.wei=s.nextFloat();

System.***out***.println(c);

}

}