```java
1.
import java.util.Scanner;

class Lab7Q1
{

  public static void main (String[]args)
  {

    Scanner s = new Scanner (System.in);

    int a, b;

      System.out.println ("Enter the roll:-");
      a = s.nextInt ();

      System.out.println ("Enter the reg:-");
      b = s.nextInt ();

    kiitian k = new kiitian ();
      k.course (a, b);

  }
}
abstract class student
{

  public int roll, reg;

  abstract void course (int a, int b);

}
class kiitian extends student
{

  void course (int a, int b)
  {

    roll = a;
    reg = b;

    System.out.println ("Roll No:- " + a + " Reg No:- " + b);

  }
}

2.
import java.util.Scanner;

interface motor
{

  void run ();

  int c = 10;

  void consume ();
```

```java
}
class WM implements motor
{

  Scanner input = new Scanner (System.in);

  int lt;

  public void consume ()
  {

    System.out.println ("litres of water available:");

    lt = input.nextInt ();

  }
  public void run ()
  {

    if (lt > c)
     {

        System.out.println ("Error,cannot run");

     }
    else
     {

        System.out.println ("Okay,can run");

     }

  }

}


class Lab7Q2
{

  public static void main (String[]args)
  {

    motor a = new WM ();

     a.consume ();

     a.run ();

  }
}

3.
import java.util.Scanner;
interface Payment
{
```

```java
  void deduction ();
  void bonus ();
  void earning ();
}
class Manager implements Payment
{
  Scanner in = new Scanner (System.in);
  double bs, da, hra, earning_val, deduction_val, bonus_val;
    Manager ()
  {
    System.out.println ("enter your basic salary");
    bs = in.nextInt ();
  }
  public void earning ()
  {
    earning_val = bs + 0.8 * bs + 0.15 * bs;
    System.out.println ("Earning =" + earning_val);
  }
  public void deduction ()
  {
    deduction_val = 0.12 * bs;
    System.out.println ("Deduction =" + deduction_val);
  }
  public void bonus ()
  {
  }
}

class Substaff extends Manager
{
  public void bonus ()
  {
    bonus_val = 0.12 * bs;
    System.out.println ("Bonus =" + bonus_val);
  }
}
class Lab7Q3
{
  public static void main (String args[])
  {
    Manager ob1 = new Manager ();
      ob1.earning ();
      ob1.deduction ();
    Substaff ob2 = new Substaff ();
      ob2.bonus ();
  }
}
 4.

package Marketing;
import java.util.*;
import General.*;
class Saless
{
  public static double tallowance (double e)
  {
    return e * 0.05;
```

```java
    }
    public static void main (String[]args)
    {
      Scanner sc = new Scanner (System.in);
      System.
        out.println ("Please enter the Name,employee id and basic salary : ");
      String name = sc.nextLine ();
      int id = sc.nextInt ();
      double sal = sc.nextDouble ();
      Employee obj1 = new Employee (name, id, sal);
      obj1.printName ();
      double e = obj1.earnings ();
      System.out.println ("Earnings : " + e);
      System.out.println ("Travel allowance : " + tallowance (e));
      System.out.println ("Employee ID : " + id);
      sc.close ();
    }
}
```