Q1) wap to Swap two variables.

→
```java
class SwapEx
{
    public static void main (String args[])
    {
        int a = 2;
        int b = 4 :
        System.out.println ("Before Swap" +a+ "b: "+b);
        int temp = a;
        a = b;
        b = temp;
        System.out.println ("After Swap a: "+a+ "b: "+b);
    }
}
```

Q2) wap to Swap two variables without using 3rd variable

→
```java
class ScwapEX
{
    public static void main (String args[])
    {
        int a= 2;
        int b = 4;
        System.out.println ("Before Swap a:"+a+ "b:"+b);
        a= a+b;    //6
        b= a-b;    //2
        a= a-b;    //4
        System.out.println ("After Swap a:"+a+ "b:"+b);
    }
}
```

Date :

Q3) Wap to find area & perimetr of circle.

```java
import java.util.Scanner;
class CircleEx
{
    public static void main (String args[])
    {
        final double PI = 22.0/7.0;
        Scanner sc = new Scanner(System.in);
        System.out.print ("Enter Radius in cm");
        float radius = sc.nextFloat();
        double result = PI* radius * radius;
        System.out.println("Area of circle :"+result);
        float perimetr =
        float perimetr = 2*PI* Radius;
        System.out.println( "Perimetr of circle"+perimetr);
    }
}
```

Q4) Wap to find area & perimetr of Rectangle.

```java
class RectangleEx
{
    public static void main (String args[])
    {
        float width, height;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter width :");
        width = sc.nextfloat();
        System.out.println("Enter height : ");
        height = sc.nextFloat();
        float aro = width* height;
        float perimetr = 2 * (width+ height);
```

```
        System.out.println("\n Area of Rectangle "+ area+"sqcm");
        System.out.println("\n Perimeter of Rectangle: "+ perimeter);
    }
}
```

Q5) Wap to display the population for each of the next five years, Assume the current population is 312,032,486 & one year is 365 days.

- One birth every 7 seconds
- One death every 13 seconds
- One new immigrant every 45 serconds.

→
```
class Census
{
    Public static void main(String args[])
    {
        long currPop= 312032486;
        final long Seconds: (365*24*60*60)*5;
        long birth = Seconds/7;
        long death= Seconds/13;
        long imm = Seconds/45;

        long newPop= currPop+ birth-death+ imm;

        System.out.println(" current population is "+ currPop);
        System.out.println(" New Population is "+ newPop);
    }
}
```

Q6) Wap to convert celcuius to fahrneit.

→
```java
import java.util.Scanner;
class  Calceus to Fahren
{
        public static void main (String args[])
        {
                Scanner sc=new Scanner (System.in);
                System.out.println ("\nEnter Temperature
                          in Degre celcius");
                double degreeCel= sc.nextDouble();
                double farhen =  (9.0/5.0) * dgree celt32;
                System.out.println (degreeCel+ "celcius is "+farhen
                      +"    Fahrenheit ");
        }
}
```

Q7) Wap to calculate volume of cylintri
→
```java
import java.util.Scanner;
class  Volume Of Cylinder
{
        public static void main ( String args[])
        {
                Scanner sc = new Scanner (System.in);
                System.out.println("Enter Radius of Cylinder :");
                float radius = Sc.nextFloat();
                System.out.println ("Enter Height of cylinder :");
                float height = Sc.nextFloat();
                float area = (22.0F/7.0f) * radius* radius;
                float volume = area * height;
                System.out.println ("\n The Area Is "+area);
                System.out.println (" In The volume is"+ volume);
        }
}
```

98) Wap to calculate bill & percentage of tip and display total bill & tip amount.

→

```java
import java.util.Scanner;

class FinancialApp
{
    public static void main (String args[])
    {
        Scanner sc = new Scanner (System.in);
        System.out.print ("\n Enter Subtotal:");
        float SubTotal = sc.nextFloat();
        System.out.print("\n Enter Gratuity Rate:");
        float gRate = sc.nextFloat();
        float tip = (SubTotal * gRate)/100;
        System.out.println("\n the Tip is "+ tip+ "Total is "
            + (SubTotal+tip));
    }
}
```

99) wap to find a number is Even or odd.

→
```java
import java.util.Scanner;
class EvenOdd
{
    public static void main (String args[])
    {
        System.out.print ("\n Enter Name: ");
        int num = new Scanner (System.in).nextInt();
        boolean rs = num%2 == 0;
        System.out.println(rs);
    }
}
```

Q10) wap to find number is even or odd without using 3rd variable.

→ import java.util.Scanner;

class Evnodd
{
    public static void main (String args[])
    {
        System.out.print("Enter a number :");
        int num= new Scanner(System.in).nextInt();
        boolean res= num/2 ==1 num/2. 0;
        System.out.println ("In using 1st logic"+res);

        boolean res2 = (num/2)*2 == num;
        System.out.println("In using 2nd logic"+res2);

    }
}

Q11) wap to reverse the given number.
      123;

→ class Reverse
{
    public static void main (String args[])
    {
        int num=123;
        int dup =num;
        int rev=0;
        int rem= num %10;
        rev= (rev *10) +rem;

```
        num = num|10;
        rm = num%.10;
        rv = (rev*10)+rm;

        num= num ||0;
        rm= num%.010;
        rev= (rev*10)+rm;

    3       System.out.print (rev);

    3
```

Q2) Wap to convert pounds into kilogram.

→
```
import java.util.Scanner;
class PoundsToKilogram
{
    public static void main (String args[])
    {
        final float pound = 0.454f;
        Scanner sc=new Scanner (System.in);
        System.out.println ("\n Enter weight In pounds");
        float value= sc.nextFloat();
        float kilogram= value * pound;

        System.out.println (value : +"pound is "+ kilogram+
                                         " kilogram);
    }
}
```

Q13) WAP to find no. of year & days using No. of minutes.

→

```
import java.util.Scanner;
class Noofyear
{
    public static void main (String args[])
    {
        Scanner sc = new Scanner (System.in);
        long totalYearMinus = 365*24*60;

        long userMinutes= sc.nextlong();
        long noofyears = userMinutes / totalYearMinutes;

        long rmDays = userMinutes % totalYearMinutes;
        long noofDays = rmDays / (24*60);

        System.out.println (noofyears+ " "+noofDays);
    }
}
```