**Task 1 – Write a program to swap two number. For example a=10 and b=20 output should be a=20 and b=10**  
  
**Solution 1 -**  
  
**public** **class** swap {

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

    {

**int** x = 10, y = 20;

        System.out.println("Before Swap");

        System.out.println("x = " + x);

        System.out.println("y = " + y);

**int** temp = x;

        x = y;

        y = temp;

        System.out.println("After swap");

        System.out.println("x = " + x);

        System.out.println("y = " + y);

    }

}

**Task 2 and 3-  Write a program to print the sum and average of below 5 numbers.**

**10,90.78,111,8989,7876  
  
Solution 2 and 3 -**

public class sumavg {

public static void main(String[] args)   
{

 System.out.print("Input first number: ");

 int num1 = 10;

 System.out.print("Input second number: ");

 float num2 = 90.78;

 System.out.print("Input third number: ");

 int num3 = 111;

 System.out.print("Input fourth number: ");

 int num4 = 8989;

 System.out.print("Enter fifth number: ");

 int num5 = 7876;

System.out.println("Sum of five numbers is: " +

   (num1 + num2 + num3 + num4 + num5);

System.out.println("Average of five numbers is: " +

  (num1 + num2 + num3 + num4 + num5) / 5);

}

}

**Task 4- Write a program to print all even numbers from 1-200  
  
Solution 4 -   
  
public** class even

{

public static void main(String args[])

{

int m, n;

m=1;

n=200;

for(int i=m; i<=n; i++)

{

if(i%2==0)

{

System. out. println( i+"," );

}

}

}  
}

**Task 5- Write a program to print all odd numbers from 1-50  
  
Solution 5 -  
  
public** class even

{

public static void main(String args[])

{

int m, n;

m=1;

n=50;

for(int i=m; i<=n; i++)

{

if(i%2==1)

{

System. out. println( i+"," );

}

}

}  
}

**Task 6- Write a program to print all prime numbers from 1-1000  
  
Solution 6 -**class PrimeNumbers

{

  public static void main (String[] args)

  {

      int i =0;

      int num =0;

      String  primeNumbers = "";

      for (i = 1; i <= 1000; i++)

      {

         int counter=0;

         for(num =i; num>=1; num--)

  {

            if(i%num==0)

     {

  counter = counter + 1;

     }

  }

  if (counter ==2)

  {

     //Appended the Prime number to the String

     primeNumbers = primeNumbers + i + " ";

  }

      }

      System.out.println("Prime numbers from 1 to 1000 are :");

      System.out.println(primeNumbers);}}

**Task 7- Write a program to print below pattern**

**\*  
\*\*  
\*\*\*  
\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*\*  
  
Solution 7 -  
  
public** **class**

{

**public** **static** **void** rightTriangle(**int** n)

    {

**int** i, j;

**for**(i=0; i<n; i++)   
 {   
for(j=2\*(n-i); j>=0; j--)

            {

                System.out.print(" ");

            }

**for**(j=0; j<=i; j++)

            {

                System.out.print("\* ");

            }

            System.out.println();

        }

    }

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

    {

**int** n = 6;

        rightTriangle(n);

    }

}

**Task 8- Write a program to print below students marks who have scored above 80**

**Solution 8 -**

public class Main {

public static void main(String[] args) {

Scanner in = new Scanner(System.in);

System.out.println("Enter the marks of five subjects::\n");

int sub\_1 = 78;

if (sub\_1 > 80)

System.out.println("marks above 80");

else

System.out.println("marks less than 80");  
  
int sub\_2 = 12;

if (sub\_2 > 80)

System.out.println("marks above 80");

else

System.out.println("marks less than 80");

int sub\_3 = 89;

if (sub\_2 > 89)

System.out.println("marks above 80");

else

System.out.println("marks less than 80");

}

}

**Task 9-**  **Write a program which will break the current execution if it find number 85**

**Input – [12,34,66,85,900]**

**Solution 9 -**

public class Main   
{

public static void main(String[] args)   
{  
int [] numbers = {12,34,66,85,900};  
for (int x : numbers)  
{  
if (x==85)  
{  
break;  
}  
System.out.println(x);  
}  
}  
}

**Task 10-  Write a program which will break the current execution if it find “Selenium” Input – [“Java”,”JavaScript”,”Selenium”,”Python”,”Mukesh”]  
  
Solution 10 -**

public class Main   
{

public static void main(String[] args)   
{  
String [] names = {**“Java”,”JavaScript”,”Selenium”,”Python”,”Mukesh”** };  
for (String x : names)  
{  
if (x==**”Selenium”**)  
{  
break;  
}  
System.out.println(x);  
}  
}  
}