**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:**

public class Main

{

public static void main(String[] args) {

byte a=20;

byte b=10;

byte temp=b;

b=a;

a=temp;

System.out.println(a);

System.out.println(b);

}

}

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

**10,90.78,111,8989,7876**

**Solution:**

public class Main

{

public static void main(String[] args) {

float [] array = new float[5];

array[0]= 10f;

array[1]= 90.78f;

array[2]= 111f;

array[3]= 8989f;

array[4]= 7876f;

System.out.println("array elements are:");

for (int i=0; i<5; i++)

{

System.out.println(array[i]);

}

float sum=0;

for (int i=0; i<5; i++)

{

sum=sum+array[i];

}

System.out.println("Sum of given numbers is: "+sum);

}

}

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

**10,90.78,111,8989,7876**

**Solution:**

public class Main

{

public static void main(String[] args) {

float [] array = new float[5];

array[0]= 10f;

array[1]= 90.78f;

array[2]= 111f;

array[3]= 8989f;

array[4]= 7876f;

System.out.println("array elements are:");

for (int i=0; i<5; i++)

{

System.out.println(array[i]);

}

float sum=0;

for (int i=0; i<5; i++)

{

sum=sum+array[i];

}

float avg =sum/5;

System.out.println("Average of given numbers is: "+avg);

}

}

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

**Solution:**

**CODE USING WHILE LOOP:**

public class Main

{

public static void main(String[] args) {

System.out.println("All even numbers between 0 to 200 are:");

short number=1;

while (number<=200)

{

if(number%2!=0)

{

}

else

{

System.out.println(number);

}

number++;

}

}

}

**CODE USING FOR LOOP:**

public class Main

{

public static void main(String[] args) {

System.out.println("All even numbers between 0 to 200 are:");

short number=1;

for(short i=1; i<=200; i++)

{

if(i%2!=0)

{

}

else

{

System.out.println(i);

}

}

}

}

**Task 5- Write a program to print all odd numbers from 1-50**

**Solution:**

public class Main

{

public static void main(String[] args) {

for (byte n=0; n<=50; n++)

{

if(n%2!=0)

{

System.out.println(n);

}

}

}

}

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

**Solution:**

public class Main

{

public static void main(String[] args) {

boolean flag=false;

System.out.println("prime numbers between 0 to 2000");

for(short i=2; i<=2000; i++)

{

for(short j=2; j<=i-1; j++)

{

if(i%j==0)

{

flag=false;

break;

}

else

{

flag=true;

}

}

if(flag==true)

{

System.out.println(i);

}

}

}

}

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



**Solution:**

public class Main

{

public static void main(String[] args) {

for(byte i=0; i<6; i++)

{

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

{

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

}

System.out.println();

}

}

}

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

**Example- 78,12,89,55,35**

**Output-  78,89**

**Solution:**

public class Main

{

public static void main(String[] args) {

byte [] marks= new byte[5];

marks[0]=87;

marks[1]=12;

marks[2]=89;

marks[3]=55;

marks[4]=35;

System.out.println("student's marks are:");

for(byte i=0; i<5; i++)

{

System.out.println(marks[i]);

}

System.out.println("Student's marks who have scored above 80 are:");

for(byte i=0; i<5; i++)

{

if(marks[i]>80)

{

System.out.println(marks[i]);

}

}

}

}

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

**Input – [12,34,66,85,900]**

**Solution:**

public class Main

{

public static void main(String[] args) {

short [] array= new short[5];

array[0]=12;

array[1]=34;

array[2]=66;

array[3]=85;

array[4]=900;

for(byte i=0; i<5; i++)

{

if(array[i]!=85)

{

System.out.println(array[i]);

}

else

{

System.out.println("Breaking execution as array emement is equal to 85");

break;

}

}

}

}

**Task 10- Write a program which will break the current execution if it find “Selenium”**

**Input – [“Java”,”JavaScript”,”Selenium”,”Python”,”Mukesh”]**

**Solution:**

public class Main

{

public static void main(String[] args) {

String [] array= new String[5];

array[0]="Java";

array[1]="JavaScript";

array[2]="Selenium";

array[3]="Python";

array[4]="Mukesh";

for(byte i=0; i<5; i++)

{

if(array[i]!="Selenium")

{

System.out.println(array[i]);

}

else

{

System.out.println("Breaking execution as array emement has value equal to Selenium");

break;

}

}

}

}