**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** Swapping {

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

**int** first = 200, second = 345;

System.***out***.println("--Before swap--");

System.***out***.println("First number = " + first);

System.***out***.println("Second number = " + second);

// Value of first is assigned to temp

**int** temp = first;

// Value of second is assigned to first

first = second;

// Value of temporary (which contains the initial value of first) is assigned to second

second = temp;

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

System.***out***.println("First number = " + first);

System.***out***.println("Second number = " + second);

}

}

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

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

Solution:

**package** assignment;

**public** **class** Sum {

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

**int** a;

**float** b;

**int** c,d,e;

**double** s;

a = 10;

b= 90.78f;

c= 111;

d= 8989;

e = 7876;

s = a+b+c+d+e;

System.***out***.println("Sum of 5 numbers is " + s);}}

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

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

Solution:

**package** assignment;

**public** **class** Average {

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

**int** a;

**float** b;

**int** c,d,e;

**double** s;

**double** av;

a = 10;

b= 90.78f;

c= 111;

d= 8989;

e = 7876;

s = a+b+c+d+e;

av = s/5;

System.***out***.println("Average of 5 numbers is " + av);}}

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

Solution:

**package** assignment;

**public** **class** Even {

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

**int** number = 200;

System.***out***.println("Even numbers from 1to 200 are:");

**for**(**int** i=1; i<=number; i++) {

**if** (i%2==0) {

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

}

}

}

}

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

Solution:

**package** assignment;

**public** **class** Odd {

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

**int** number = 50;

System.***out***.println("Odd numbers from 1 to 50 are:");

**for**(**int** i=1; i<=number; i++) {

**if** (i%2!=0) {

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

}

}

}

}

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

Solution:

**package** assignment;

**public** **class** Prime {

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

**int** temp = 0;

//number increment

**for**(**int** i =1; i<=1000; i++) {

//example if i is 7 then from 2 to 6 will divide i to check

**for** (**int** j = 2; j<=i-1;j++) {

**if**(i%j==0) {

temp = temp+1;

}

}

**if**(temp==0) {

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

} //temp again initialized to 0 for next iteration

**else** {

temp=0;

}

}

}

}

Task 7- Write a program to print below pattern



Solution:

**package** assignment;

**public** **class** Star {

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

**for**(**int** i = 1;i<=6;i++) {

**for**(**int** j = 1;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:

**package** assignment;

**public** **class** Marks {

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

**int** []marks = **new** **int**[5];

marks[0] = 78;

marks[1] = 12;

marks[2] =89;

marks[3] = 55;

marks[4] = 35;

**for**(**int** i = 0;i<=4;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:

**package** assignment;

**public** **class** BreakExe {

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

**int** []number = **new** **int**[5];

number[0] = 12;

number[1] = 34;

number[2] =56;

number[3] = 85;

number[4] = 900;

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

**if** (number[i]==85) {

**break**;

}

System.***out***.println(number[i]);}}}

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

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

 Solution:

**package** assignment;

**public** **class** Selexit {

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

String []number = **new** String[5];

number[0] = "Java";

number[1] = "JavaScript";

number[2] ="Selenium";

number[3] = "Python";

number[4] = "Mukesh";

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

**if** (number[i]=="Selenium") {

**break**;

}

System.***out***.println(number[i]);}}}