Questions – Day2

Question 1 – print the pattern



Ans

**package** com.org.gen.assement2;

**public** **class** Question1 {

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

**for**(**int** x=1;x<=5;x++)

{

**for**(**int** y=1;y<=x;y++)

{

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

}

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

}

**for**(**int** i=1;i<=5;i++)

{

**for**(**int** j=i;j<=5;j++)

{

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

}

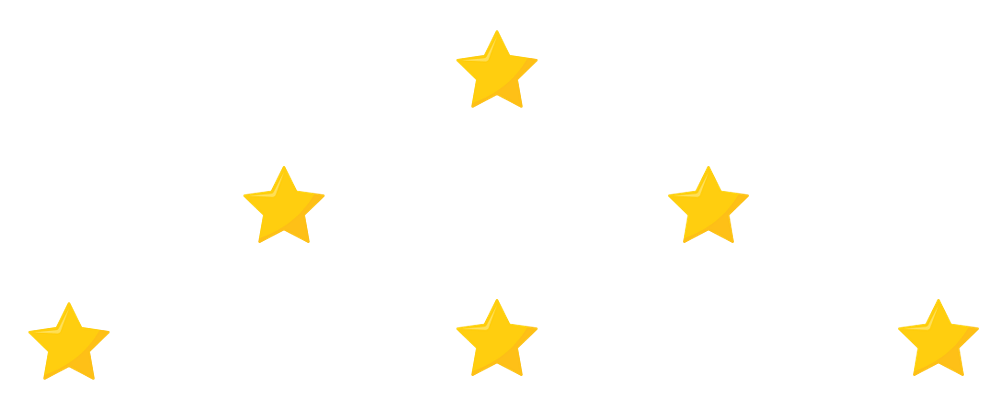
System.***out***.println();

}

}

}

Question 2 – print pattern



Question 3 -Write a program in Java to display the multiplication table of a given integer

*Expected Output* :

5 X 0 = 0

5 X 1 = 5

5 X 2 = 10

5 X 3 = 15

5 X 4 = 20

Ans

**package** com.org.gen.assement2;

**public** **class** Question3 {

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

**int** num=5;

**for**(**int** i=0;i<=10;i++)

{

System.***out***.println(num + " X " + i + " = " + num\*i );

}

}

}

Question 5 – Write a program for the banking system where bank has 5 different rate of interest for the banking policies .( use method overloading)

**package** com.org.gen.assement2;

**import** com.org.gen.day2.MethodOverLoading;

**public** **class** Question5 {

**int** rateofintrest(**int** a)

{

**return** a;

}

**float** rateofintrest(**float** a)

{

**return** a;

}

**int** rateofintrest(**int** a,**int** b)

{

**return** a+b;

}

**float** rateofintrest(**float** a, **float** b)

{

**return** a+b;

}

**int** rateofintrest(**int** a,**int** b,**int** c)

{

**return** a+b+c;

}

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

Question5 obj=**new** Question5();

System.***out***.println(obj.rateofintrest(3));

System.***out***.println(obj.rateofintrest(3, 4));

System.***out***.println(obj.rateofintrest(3, 4,5));

System.***out***.println(obj.rateofintrest(3.3f));

System.***out***.println(obj.rateofintrest(3.3f, 4.2f));

}

}

Question – 6 Java Program to find average of an int Array.

Ans

**package** com.org.gen.assement2;

**public** **class** Question6 {

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

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

num[0]=2;

num[1]=3;

num[2]=4;

num[3]=5;

num[4]=6;

**int** sum=0;

**int** avg;

**int** leng=num.length;

**for**(**int** i=0;i<num.length;i++)

{

sum=sum+num[i];

}

avg=sum/leng;

System.***out***.println("Average of array is " + avg);

}

}

7 -Write a Java program to find the maximum element in an array.

Ans

**package** com.org.gen.assement2;

**public** **class** Question7 {

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

**int** [] num= {1,5,2,4,3};

**int** maxin=0;

**int** maxnum=0;

**for**(**int** i=0;i<num.length-1;i++)

{

**if**(num[i]>num[i+1])

{

maxin=num[i];

**if**(maxin>maxnum)

{

maxnum=maxin;

}

}

**else**

{

maxin=num[i+1];

**if**(maxin>maxnum)

{

maxnum=maxin;

}

}

}

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

}

}

8 - a) Write a statement that declares a string array initialized with the following strings:  
"Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday" and "Saturday".  
b) Write a loop that displays the contents of each element in the array that you declared.

Ans

**package** com.org.gen.assement2;

**public** **class** Question8 {

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

String [] days= {"Sunday", "Monday","Tuesday","Wednesday","Thursday","Friday","Saturday"};

**for**(**int** i=0;i<days.length;i++)

{

System.***out***.println(days[i]);

}

}

}

9- Write a Java Program to find the second highest value in a numeric array

**package** com.org.gen.assement2;

**public** **class** Question9 {

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

{

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

num[0]=2;

num[1]=3;

num[2]=4;

num[3]=5;

num[4]=6;

**int** num2=0;

**for**(**int** i=0;i<num.length-1;i++)

{

**for**(**int** k=i;k<num.length;k++)

{

**if**(num[i]<num[k])

{

**int** num1=num[i];

num[i]=num[k];

num[k]=num1;

}

**else**

{

}

}

}

System.***out***.println("Second Heighest value is "+ num[1]);

}

}