Solution of today problem’s : Day-2

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1.

import java.util.Scanner;

public class Pattern

{

public static void main(String[] args)

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter the number of rows: ");

int rows = sc.nextInt();

for (int i= 0; i<= rows-1 ; i++)

{

for (int j=0; j<=i; j++) { System.out.print("\*"+ " "); } System.out.println(""); } for (int i=rows-1; i>=0; i--)

{

for(int j=0; j <= i-1;j++)

{

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

}

System.out.println("");

}

sc.close();

}

}

3.

public class MultiplicationTable {

public static void main(String[] args) {

int num = 5;

for(int i = 0; i <= 4; i++)

{

System.out.printf("%d X %d = %d \n", num, i, num \* i);

}

}

}

6. public class Average {

public static void main(String[] args) {

double[] arr = {19, 12.89, 16.5, 200, 13.7};

double total = 0;

for(int i=0; i<arr.length; i++){

total = total + arr[i];

}

double average = total / arr.length;

System.out.println("The average is: %.3f", average);

}

}

7. public class Maximum {

public static void main(String[] args) {

int n, max;

Scanner s = new Scanner(System.in);

System.out.print("Enter the number of elements in the array:");

n = s.nextInt();

int a[] = new int[n];

System.out.println("Enter the elements of array:");

for(int i = 0; i < n; i++){

a[i] = s.nextInt();

}

max = a[0];

for(int i = 0; i < n; i++){

if(max < a[i]){

max = a[i];

}}

System.out.println("Maximum value in the array is:"+max);

}}

9.

public class SecondLargestNumber {

public static void main(String args[]){

int temp, size;

int array[] = {10, 20, 25, 63, 96, 57};

size = array.length;

for(int i = 0; i<size; i++ ){

for(int j = i+1; j<size; j++){

if(array[i]>array[j]){

temp = array[i];

array[i] = array[j];

array[j] = temp;

}

}

}

System.out.println("Third second largest number is:: "+array[size-2]);

}

}