Solutions for Programming Questions Java

1st:

import java.util.\*;

import java.io.\*;

class HelloWorld {

public static void main(String[] args) {

String str="hello JavaTpoint";

char ch;

String reverseStr="";

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

ch=str.charAt(i);

reverseStr=ch+reverseStr;

}

System.out.println("Reversed string :" + reverseStr);

}

}

2nd:

import java.util.\*;

import java.io.\*;

class HelloWorld {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

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

int n=sc.nextInt();

int count;

for(int i=1;i<=n;i++){

count=0;

for(int j=2;j<=i/2;j++){

if(i%j==0){

count++;

break;

}

}

if (count==0){

System.out.println(i);

}

}

}

}

3rd:

import java.util.\*;

import java.io.\*;

class HelloWorld {

public static void main(String[] args) {

int n=2,i=1;

for(n=2;n<=5;n++)

{

for(i=1;i<=10;i++){

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

}

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

}

}

}

4th:

import java.util.\*;

import java.io.\*;

class HelloWorld {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

System.out.print(" enter :");

int n=sc.nextInt();

System.out.print("Even number:\n");

for(int i=1;i<=n;i++){

if(i%2==0){

System.out.print( i +" \n");

}

}

System.out.print("\nodd number:\n");

for(int i=1;i<=n;i++){

if(i%2!=0){

System.out.print( i +"\n");

}

}

}

}

5th:

import java.util.\*;

import java.io.\*;

public class Main{

static void Grading(int percent)

{

if(percent>=90)

{

System.out.println("The student has achieved Dictation Grade");

}

else if(percent<90 && percent>=80)

{

System.out.println("The student has achieved 1st Grade");

}

else if(percent<80 && percent >=60)

{

System.out.println("The student has achieved 2nd Grade");

}

else if(percent<60 && percent>=40)

{

System.out.println("The student has achieved 3rd Grade");

}

else

{

System.out.println("The student is failed");

}

}

public static void main(String[] args)

{

Scanner sc= new Scanner(System.in);

System.out.println("Enter percentage:");

int a=sc.nextInt();

Grading(a);

}

}

//Grading using switch case- Method:

switch(f)

{

case 10:

System.out.println("The student has achieved Dictation Grade");

break;

case 9:

System.out.println("The student has achieved Dictation Grade");

break;

case 8:

System.out.println("The student has achieved 1st Grade");

break;

case 7:

System.out.println("The student has achieved 2nd Grade");

break;

case 6:

System.out.println("The student has achieved 2nd Grade");

break;

case 5:

System.out.println("The student has achieved 3rd Grade");

break;

case 4:

System.out.println("The student has achieved 3rd Grade");

break;

case 3:

System.out.println("The student is failed");

break;

case 2:

System.out.println("The student is failed");

break;

case 1:

System.out.println("The student is failed");

break;

case 0:

System.out.println("The student is failed");

break;

}

}

6th:

import java.util.\*;

import java.io.\*;

class Factorial {

static int factorial(int n){

if (n==0){

return 1;

}

else

return (n\*factorial(n-1));

}

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

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

int n=sc.nextInt(),fact=1;

fact=factorial(n);

System.out.println("Factorial of "+ n + " is : " +fact);

}

}

7.

import java.util.\*;

import java.io.\*;

class HelloWorld {

public static void main(String[] args) {

//System.out.println("Hello, World!");

int[][] a=new int[3][3];

int[][] b=new int[3][3];

Scanner sc=new Scanner(System.in);

System.out.println("1st matrix: ");

for(int i=0;i<3;i++){

for(int j=0;j<3;j++){

a[i][j]=sc.nextInt();

}

}

System.out.println("2nd matrix: ");

for(int i=0;i<3;i++){

for(int j=0;j<3;j++){

b[i][j]=sc.nextInt();

}

}

System.out.println("result matrix: ");

for(int i=0;i<3;i++){

for(int j=0;j<3;j++){

a[i][j]=a[i][j]+b[i][j];

System.out.print( a[i][j]+" ");

}

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

}

}

8.

import java.util.\*;

import java.io.\*;

class HelloWorld {

public static void main(String[] args) {

//System.out.println("Hello, World!");

Scanner sc=new Scanner(System.in);

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

int n=sc.nextInt();

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

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

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

}

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

}

}

}

9.

import java.util.\*;

import java.io.\*;

class q9 {

public static void main(String[] args) {

System.out.println("Hello, World!");

int n=5;

for(int i=0;i<(n+1);i++){

for(int j=n-i;j>=0;j--){

System.out.print(" ");

}

for(int j=i;j>=0;j--){

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

}

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

}

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

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

System.out.print(" ");

}

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

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

}

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

}

}

10.

class question10{

public static void main(String[] args) {

int n=5;

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

if(i==0){

for(int j=0;j<2\*n-1;j++){

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

}

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

continue;

}

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

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

}

for(int j=0;j<2\*i-1;j++){

System.out.print(" ");

}

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

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

}

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

}

}

}

11.

public class question11 {

public static void main(String[] args) {

int n=5;

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

if(i==n-1){

for(int j=0;j<2\*n-1;j++){

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

}

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

continue;

}

for(int j=i;j>=0;j--){

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

}

for(int j=0;j<2\*(n-i-1)-1;j++){

System.out.print(" ");

}

for(int j=i;j>=0;j--){

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

}

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

}

}

}

12.

public class question12 {

public static void main(String[] args) {

int[] arr={22,100,44,11,22,100,77,44,11};

int first\_num=-10000000, second=-10000000, third=-10000000;

for(int i=0;i<9;i++){

if(arr[i] >= first\_num){

int temp1=first\_num;

first\_num=arr[i];

int temp=second;

second=temp1;

third=temp;

}

else if(arr[i] >= second){

int temp1=second;

second=arr[i];

third=temp1;

}

else if(arr[i] > third){

third=arr[i];

}

}

System.out.print(third);