Question 1:

class reverseString{

public static void main (String args[])

{

String s1= "Hello JavaTpoint";

int size = s1.length();

String reverse = "";

// print the string in reverse order

for(int i = size-1; i>=0; --i)

{

reverse = reverse + s1.charAt(i);

}

System.out.println(reverse);

}

}

Question 2:

import java.util.\*;

public class prime{

public static Boolean isPrime(int num){

for(int i=2;i<num;i++)

{

if(num%i==0)

return false;

}

return true;

}

public static void main(String[] args){

for(int i=2;i<=20;i++)

{

if(isPrime(i))

{

System.out.println(i);

}

}

}

}

Question 3:

import java.util.\*;

public class tables{

public static void main(String[] args){

for (int i=2;i<=5;i++)

{

for(int j=1;j<=10;j++)

{

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

}

System.out.println(" ");

}

}

}

Question 4:

import java.util.\*;

public class evenodd{

public static void main(String[] args){

System.out.println("Even numbers : ");

for(int i=1;i<=20;i++)

{

if(i%2==0)

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

}

System.out.println(" ");

System.out.println("Odd numbers : ");

for(int i=1;i<=20;i++)

{

if(i%2!=0)

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

}

}

}

Question 5:

import java.util.\*;

class division

{

public static void main(String[] args)

{

Scanner input = new Scanner(System.in);

System.out.println("Enter The Five Subject Marks :");

int m1 = input.nextInt();

int m2 = input.nextInt();

int m3 = input.nextInt();

int m4 = input.nextInt();

int m5 = input.nextInt();

int tot = m1+m2+m3+m4+m5;

float per = tot/5;

System.out.println("Total :"+tot);

System.out.println("Percentage :"+per);

if(per<=85)

{

System.out.println("Distinction");

}

else if(per>=60 && per<85)

{

System.out.println("First division");

}

else if(per>=50 && per<=59)

{

System.out.println("Second Division.");

}

else if(per>=35 && per<=49)

{

System.out.println("Third Division.");

}

else

{

System.out.println("Fail.");

}

}

}

Question 6:

import java.util.\*;

public class FactorialOfEight{

public static void main(String[] args){

int a=8;

for(int i=7;i>=1;i--)

{

a=a\*i;

}

System.out.println(a);}

}

Question 7:

import java.util.\*;

public class Swap{

public static void main(String[] args)

{

Scanner sc = new Scanner(System.in);

System.out.println("enter two numbers :");

int x= sc.nextInt();

int y=sc.nextInt();

System.out.println("two numbers before swapping: " + x + " "+ y);

int t=x;

x=y;

y=t;

System.out.println("two numbers after swapping: " + x + " "+ y);

}

}

Question 8:

import java.util.\*;

public class leapYear{

public static void main(String[] args)

{

Scanner sc = new Scanner(System.in);

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

int year = sc.nextInt();

if((year%4==0)&(year%100!=0)|| (year%400==0))

System.out.println("Leap year");

else

System.out.println("Not a leap year");

}

}

Question 9:

import java.util.\*;

public class diamondPattern

{

public static void main(String[] args)

{

int n=5;

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

{

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

{

System.out.print(" ");

}

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

{

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

}

System.out.println();

}

for(int i=n-1;i>0;i--)

{

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

{

System.out.print(" ");

}

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

{

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

}

System.out.println();

}

}

}

Question 10:

import java.util.Scanner;

public class pantStyle {

public static void main(String[] args) {

Scanner cs=new Scanner(System.in);

int row\_size = 5;

int out,in;

int print\_control\_x=row\_size;

int print\_control\_y=row\_size;

for(out=1;out<=row\_size;out++)

{

for(in=1;in<row\_size\*2;in++)

{

if(in>print\_control\_x && in<print\_control\_y)

{

System.out.printf(" ");

}

else

{

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

}

}

print\_control\_x--;

print\_control\_y++;

System.out.println();

}

}

}

Question 11:

class invertedPantStyle {

public static void main(String[] args) {

int n = 5;

for(int row = n ; row >= 0 ; row--) {

for(int col = n ; col > row ; col--) {

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

}

for(int col = 1 ; col <= 4 \* row ; col++) {

System.out.print(" ");

}

for(int col = row + 1 ; col <= n ; col++) {

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

}

System.out.println();

}

}

}

Question 12:

class thirdLargest

{

static void thirdLargest(int arr[],

int arr\_size)

{

if (arr\_size < 3)

{

System.out.printf(" Invalid Input ");

return;

}

int first = arr[0],second =Integer.MIN\_VALUE,third = Integer.MIN\_VALUE;

for (int i = 1;i < arr\_size ; i++)

{ if (arr[i] > first)

{ third =second;

second=first;

first = arr[i];}

else if (arr[i] > second )

{ third =second;

second = arr[i];}

else if (arr[i] > third )

{third = arr[i];}

}

System.out.printf("The third Largest " +

"element is %d\n", third);

}

public static void main(String []args)

{

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

int n = arr.length;

thirdLargest(arr, n);

}

}