OOJ LAB PROGRAMS WEEK 1

1)

class hello

{

public static void main(String args[])

{

System.out.println("Hello world");

}

}

2)

import java.util.Scanner;

public class biggest\_number

{

public static void main(String[] args)

{

int x, y, z;

Scanner in = new Scanner(System.in);

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

x = in.nextInt();

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

y = in.nextInt();

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

z = in.nextInt();

if(x > y && x > z)

{

System.out.println("Largest number is:"+x);

}

else if(y > z)

{

System.out.println("Largest number is:"+y);

}

else

{

System.out.println("Largest number is:"+z);

}

}

}

3)

3)

import java.util.Scanner;

public class numbers

{

public static void main(String[] args)

{

Scanner in = new Scanner(System.in);

System.out.print("Enter the value n : ");

int n = in.nextInt();

System.out.println("Numbers are : " );

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

{

System.out.println(i);

}

}

}

4)

import java.util.Scanner;

public class program

{

public static void main(String args[]){

Scanner in = new Scanner(System.in);

int n =in.nextInt();

int t =1;

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

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

System.out.println(t + "");

t++;

}

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

}

}

}

5)

import java.util.Scanner;

public class grade {

public static void main(String[] args) {

Scanner in = new Scanner(System.in);

System.out.println("Enter percentage in Cie");

System.out.println("Enter percentage in See");

double pc = in.nextDouble();

double ps = in.nextDouble();

double avg;

avg = ((pc+ps)/2);

if(avg >= 90)

{

System.out.println("Grade A");

}

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

{

System.out.println("Grade B");

}

else if(avg < 80 && avg >= 70)

{

System.out.println("Grade C");

}

else if(avg < 70 && avg >= 60)

{

System.out.println("Grade D");

}

else if(avg < 60 && avg >= 50)

{

System.out.println("Grade E");

}

else if(avg < 50 && avg >= 40){

System.out.println("Grade F");

}

else {

System.out.println("Failed");

}

}

}

6)

#include <stdio.h>

int main() {

int a, b, i, flag;

printf("Enter two numbers ");

scanf("%d %d", &a, &b);

printf("Prime numbers between %d and %d are: ", a, b);

while (a< b) {

flag = 0;

if (a<= 1) {

++a;

continue;

}

for (i = 2; i <= a / 2; ++i) {

if (a % i == 0) {

flag = 1;

break;

}

}

if (flag == 0)

printf("%d ", a);

++a;

}

return 0;

}

7)

#include <stdio.h>

struct stud{

char name[50];

int a;

};

int count\_iot=0,count\_java=0,count\_ads=0;

int main() {

int n;

printf("\nEnter the number of students");

scanf("%d",&n);

struct stud s[n];

int iot[n],java[n],ads[n];

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

printf("\nEnter the student %d detail",i+1);

printf("\nEnter the name");

scanf("%s",s[i].name);

printf("\n 1. Internet of things \n 2.Advance java and jee \n 3.Advance data Structure");

printf("\n Choose one opyion");

scanf("%d",&s[i].a);

if (s[i].a==1)

{count\_iot+=1;

iot[count\_iot-1]=i;}

else if(s[i].a==2)

{count\_java++;

java[count\_java-1]=i;}

else

{count\_ads++;

ads[count\_ads-1]=i;}

}

printf("\nNumber of student in each elective");

printf("\nNumber of student in iot elective : %d",count\_iot);

for (int i=0;i<count\_iot;i++){

printf("\n %s",s[iot[i]].name);

}

printf("\nNumber of student in java elective : %d",count\_java);

for (int i=0;i<count\_java;i++){

printf("\n %s",s[java[i]].name);

}

printf("\nNumber of student in ds elective : %d",count\_ads);

for (int i=0;i<count\_ads;i++){

printf("\n %s",s[ads[i]].name);

}

return 0;

}

OUTPUTS





