1. **Write a Java program to check whether a given number is positive, negative, or zero using an if-else statement.**

**import** java.util.Scanner;

**public** **class** Number {

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

Scanner sc=**new** Scanner(System.***in***);

System.***out***.println("enter number: ");

**int** n=sc.nextInt();

**if**(n>0) {

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

}

**else** **if**(n<0){

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

}

**else** {

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

}

}

}

1. **Write a Java program to print the Fibonacci series up to a given number using a for loop.**

**public** **class** fibonacci {

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

**int** n1=0,n2=1,n3,count=0;

System.***out***.print(n1+" "+n2);

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

n3=n1+n2;

**if**(n3>55)

**break**;

System.***out***.print(" "+n3);

n1=n2;

n2=n3;

count++;

}

}

}

1. **Write a Java program to calculate the average of a list of numbers using a do-while loop.**

**public** **class** AverageOfNumbers {

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

Scanner sc=**new** Scanner(System.***in***);

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

**int** i=0;

**double** sum=0;

System.***out***.println("enter number: ");

**do** {

**int** num1=sc.nextInt();

num[i]=num1;

sum+=num1;

i++;

}**while**(i<5);

**double** avg=sum/5;

System.***out***.println("average is "+avg);

}}

1. **Write a Java program to find the largest of three numbers using nested if-else statements.**

**import** java.util.Scanner;

**public** **class** LargestNumber {

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

**int** a,b,c;

Scanner sc=**new** Scanner(System.***in***);

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

a=sc.nextInt();

b=sc.nextInt();

c=sc.nextInt();

**if**(a>b) {

**if**(a>c) {

System.***out***.println(a+" is first largest number");

}

**else**

System.***out***.println(c+" is first largest number");

}

**else** **if**(b>c) {

System.***out***.println(b+" is first largest number");

}

**else**

System.***out***.println(c+" is first largest number");

}}

1. **Write a Java program to declare and initialize variables of different data types (int, double, String) with appropriate identifiers.**

Public class Types{

Public static void main(String[] args){

int i=10;

float f=3.5f;

double d=3.4;

String s=”string”;

Char c=’c’;

}}