1. Write a Java program to print the sum of two numbers.

class SumOfTwoNumber

{

int a=20,b=40;

public static void main(String args[])

{

SumOfTwoNumber object=new SumOfTwoNumber();

System.out.println(" Sum of Two Number : "+(object.a+object.b));

}

}

1. Write a Java program to accept a number and check the number is even or not. Prints 1 if the number is even or 0 if the number is odd.

import java.util.Scanner;

class CheckNumber

{

public static void main(String args[])

{

Scanner UserInput = new Scanner(System.in);

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

int n = UserInput.nextInt();

if(n%2 == 0)

{

System.out.println(1);

}

else

{

System.out.println(0);

}

}

}

1. Write a Java program to print the sum (addition), multiply, subtract, divide and remainder of two numbers arithmetic operation will be of user choice.

import java.util.Scanner;

class ArithmeticOperation

{

public static void main(String args[])

{

Scanner userInput = new Scanner(System.in);

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

int a= userInput.nextInt();

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

int b= userInput.nextInt();

System.out.println("\nAddition : "+(a+b));

System.out.println("Subtract : "+(a-b));

System.out.println("Divide : "+(a/b));

System.out.println("Multiply : "+(a\*b));

System.out.println("Remainder : "+(a%b)+"\n");

}

}

1. Write a Java program and compute the sum of the digits of an integer. Go to the editor Input Data: Input an integer: 25 Expected Output The sum of the digits is: 7.

import java.util.Scanner;

class SumOfDigit

{

public static void main(String args[])

{

Scanner UserInput=new Scanner(System.in);

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

int digit = UserInput.nextInt();

System.out.println("The Sum Is Given Numbers : "+SumDigits(digit));

}

public static int SumDigits(long n)

{

int result=0;

while (n>0)

{

result+=n%10;

n/=10;

}

return result;

}

}

1. Write a Java program to reverse a string.

import java.util.Scanner;

class ReverseString

{

public static void main(String args[])

{

Scanner userInput=new Scanner(System.in);

System.out.println("\nEnter the String Which You want to reverse : ");

String str = userInput.nextLine();

System.out.println("\nOriginal string : "+str);

//reverse string

StringBuilder revString = new StringBuilder(str);

revString.reverse();

//To save in any string and show it.

String afterReverseString = revString.toString();

System.out.println("Reverse String : "+ afterReverseString+"\n");

}

}

1. Write a Java program to count the letters, spaces, numbers and other characters of an input string.

class StringCount

{

public static void main(String args[])

{

String test = " Hello World 1 2 3 ";

count(test);

}

public static void count(String x)

{

char[] ch=x.toCharArray();

int letter =0;

int space =0;

int num =0;

int other =0;

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

{

if(Character.isLetter(ch[i]))

{

letter++;

}

else if (Character.isDigit(ch[i]))

{

num++;

}

else if(Character.isSpaceChar(ch[i]))

{

space ++;

}

else

{

other++;

}

}

System.out.println("The String is : Hello World 1 2 3 ");

System.out.println("letter : "+letter);

System.out.println("space : "+space);

System.out.println("number : "+num);

System.out.println("other :"+other);

}

}

1. Write a Java program to print the ascii value of a given character.

import java.util.Scanner;

class PrintAsciiValue

{

public static void main(String args[])

{

Scanner userInput = new Scanner(System.in);

System.out.println("Enter The Character : ");

char Character = userInput.next().charAt(0);

int AsciiValue = Character;

System.out.println("Ascii value of "+Character+" is : "+AsciiValue);

}

}

1. Write a Java program to display the system time.

class PrintSystemTime

{

public static void main(String args[])

{

System.out.format("\nCurrent Date Time :%tc%n \n",System.currentTimeMillis());

}

}

1. Write a Java program to print the odd numbers from 1 to 9. Prints Num/line.

class PrintOddNumber

{

public static void main(String ags[])

{

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

{

if(i % 2 >= 1) //or you can set in (i%2 != 0)

{

System.out.println(i);

}

}

}

}

1. Write a Java program to capitalize the first letter of each word in a sentence.

import java.util.Scanner;

class CapitalString

{

public static void main(String args[])

{

Scanner userInput=new Scanner(System.in);

System.out.println("Enter the sentence : ");

String UpperCaseFirstLetter = userInput.nextLine();

String upper\_case\_line="";

Scanner LineScan = new Scanner(UpperCaseFirstLetter);

while(LineScan.hasNext())

{

String word = LineScan.next();

upper\_case\_line+= Character.toUpperCase(word.charAt(0)) + word.substring(1) + " ";

}

System.out.println(upper\_case\_line.trim());

}

}

1. Write a Java program to reverse a word.

import java.util.Scanner;

class ReverseWord

{

public static void main(String args[])

{

Scanner userInput = new Scanner ( System.in );

System.out.println("Enter the word : ");

String NewWord = userInput.nextLine();

System.out.println("\nOriginal Word : "+NewWord);

StringBuilder ReverseWord = new StringBuilder(NewWord);

ReverseWord.reverse();

String AfterReverseWord = ReverseWord.toString();

System.out.println("\nReverse word : "+AfterReverseWord+"\n");

}

}

1. Write a Java program to get the larger value between first and last element of an array (length 3) of integers. Go to the editor Sample Output: Original Array: [20, 30, 40] Larger value between first and last element: 40

import java.util.Arrays;

public class maxSize

{

public static void main(String[] args)

{

int[] array\_nums = {20, 30, 40};

System.out.println("Original Array: "+Arrays.toString(array\_nums));

int max\_val = array\_nums[0];

if(array\_nums[2] >= max\_val)

max\_val = array\_nums[2];

System.out.println("Larger value between first and last element: "+max\_val);

}

}

1. Write a Java program to sort array elements.

public class SortAsc {

public static void main(String[] args) {

// Initialize array

int[] arr = new int[] { 5, 2, 8, 7, 1 };

int temp = 0;

// Displaying elements of original array

System.out.println("Elements of original array: ");

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

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

}

// Sort the array in ascending order

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

for (int j = i + 1; j < arr.length; j++) {

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

temp = arr[i];

arr[i] = arr[j];

arr[j] = temp;

}

}

}

System.out.println();

// Displaying elements of array after sorting

System.out.println("Elements of array sorted in ascending order: ");

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

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

}

}

}

1. Write a program to add two numbers using function overloading.

class Adder {

static int add(int a, int b) {

return a + b;

}

static int add(int a, int b, int c) {

return a + b + c;

}

}

class TestOverloading1 {

public static void main(String[] args) {

System.out.println(Adder.add(11, 11));

System.out.println(Adder.add(11, 11, 11));

}

}

1. Write a program to input Employee Details and display it on proper format.

import java.util.\*;

public class EmpData {

public static void main(String args[]) {

Scanner sc = new Scanner(System.in);

String ename;

System.out.println("enter the ename of Employee :-");

ename = sc.nextLine();

int eid;

System.out.println("enter the eid of Employee:-");

eid = sc.nextInt();

int Salary;

System.out.println("enter the Salary of Employee :-");

Salary = sc.nextInt();

System.out.println();

System.out.println("eid : " + eid);

System.out.println("ename : " + ename);

System.out.println("Salary : " + Salary);

}

}

1. Write a program to design three classes that accept dimension of triangle and rectangle and calculate area of rectangle and triangle .

import java.util.Scanner;

class AreaOfTriangle {

void Triangle()

{

Scanner s= new Scanner(System.in);

System.out.println("Enter the width of the Triangle:");

double b= s.nextDouble();

System.out.println();

System.out.println("Enter the height of the Triangle:");

double h= s.nextDouble();

//Area = (width\*height)/2

double area=(b\*h)/2;

System.out.println("Area of Triangle is: " + area);

}

}

class AreaOfRectangle extends AreaOfTriangle {

void Rectangle() {

Scanner a = new Scanner(System.in);

System.out.println("Enter the width of the Rectangle:");

double b1 = a.nextDouble();

System.out.println();

System.out.println("Enter the height of the Rectangle:");

double h1 = a.nextDouble();

// Area = (width\*height)

double area1 = (b1 \* h1);

System.out.println("Area of Rectangle is: " + area1);

}

public static void main(String args[])

{

AreaOfRectangle a1 = new AreaOfRectangle();

a1.Triangle();

System.out.println();

a1.Rectangle();

}

}

1. Write a program which design Bank Account class as Saving and Current Account and manage information accordingly .

class bankAccount {

private static int nextAccountNumber = 1;

private String person;

private int number;

private double balance;

bankAccount(String p, double b) {

person = p;

balance = b;

number = nextAccountNumber;

nextAccountNumber += 1;

}

public int getNumber() {

return number;

}

public String getName() {

return person;

}

public double getBalance() {

return balance;

}

public void deposit(double a) {

balance += a;

}

}

1. Write a program which design a class name Fan to represent fan properties according to these properties Fan operation will be performed.

class Fan {

public static final int SLOW = 1, MEDIUM = 2, FAST = 3;

int speed;

boolean f\_on;

double radius;

String color;

Fan() {

speed = SLOW;

f\_on = false;

radius = 4;

color = "blue";

}

Fan(int speed, double radius, String color, boolean f\_on) {

this.speed = speed;

this.radius = radius;

this.color = color;

this.f\_on = f\_on;

}

void display() {

if (f\_on == true) {

System.out.println("Fan is on \n the speed is =" + speed + "\n the color is =" + color

+ "\n the radius is =" + radius);

} else {

System.out.println("Fan is off \n the color of fan is =" + color + "\n the radius of fan is =" + radius);

}

}

public static void main(String[] args) {

Fan obj = new Fan();

Fan obj1 = new Fan(MEDIUM, 6, "brown", true);

obj.display();

obj1.display();

}

}