Tutorial 1

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Exercise 1 (Java program basics)

import java.util.\*;

public class MyFirstJava{

    public static void main(String[] args){

        System.out.println("My name is Rivindu Ashinsa");

    }

}

public class SecondProgram{

    public static void main(String[] args){

        int runningTotal  = 0;

        System.out.println("Variable value is : " + runningTotal);

        runningTotal += 5;

        System.out.println("Variable value is : " + runningTotal);

        runningTotal += 8;

        System.out.println("Variable value is : " + runningTotal);

        runningTotal += 2;

        System.out.println("Variable value is : " + runningTotal);

        runningTotal += 3;

        System.out.println("Variable value is : " + runningTotal);

    }

}

1. public class MarkAverage {
2. public static void main(String[] args) {
3. float mark1 = 60;
4. float mark2 = 66;
5. float mark3 = 89;
6. float result = (mark1+mark2+mark3)/3;
7. System.out.println("Result is : " + result);
8. }
9. }

Exercise 2 (Handling input and output)

1, 2, 3, 4, 5, 6, 7

import java.util.\*;

public class MyFirstJava{

    public static void main(String[] args){

        Scanner input = new Scanner(System.in);

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

        String name = input.nextLine();

        System.out.print("My name is "+name);

    }

}

Exercise 3 (Find the bugs) corrected code :

public class HelloWorld {

    public static void main(String[] args) {

    String firstName = "John";

    String secondName = "Brown";

    System.out.println("Hello " + firstName +"" + secondName + "");

    }

}

Exercise 4 (Menu)

public class Menu {

    public static void main(String[] args){

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

    }

}

Exercise 5 (Challenging questions)

import java.util.Scanner;

public class Initials {

    public static void main(String[] args){

        Scanner input = new Scanner(System.in);

        System.out.println("Enter the first name : ");

        String fName = input.nextLine();

        String nameFirstLetter = (fName.substring(0,1));

        System.out.println("Enter the second name : ");

        String lName = input.nextLine();

        String nameSecLetter = (lName.substring(0,1));

        System.out.print(nameFirstLetter);

        System.out.print(nameSecLetter);

    }

}

2. import java.util.\*;
3. public class ToCm{
4. public static void main(String[] args) {
5. Scanner input = new Scanner(System.in);
6. System.out.print("Enter the length in Meters (M) : ");
7. float lengthInM = input.nextFloat();
8. float result = lengthInM \* 100;
9. System.out.println("Result : " + result + " cm");
10. }
11. }

3.

import java.util.\*;

public class ToFaren {

    public static void main(String[] args){

        Scanner input = new Scanner(System.in);

        System.out.print("Enter the temperature in Celcius : ");

        float tempInCel = input.nextFloat();

        float tempInFar = ((9/5) \* tempInCel) + 32;

        System.out.println("Temperature in Ferenheit : " + tempInFar);

    }

}

4.

import java.util.\*;

public class WageBill {

    public static void main(String[] args){

        Scanner input = new Scanner(System.in);

        System.out.print("How many manual people : ");

        float manualCount = input.nextFloat();

        System.out.print("How many skilled people : ");

        float skilledCount = input.nextFloat();

        System.out.print("How many management people : ");

        float managementCount = input.nextFloat();

        float manual\_bill = manualCount \* 500;

        float skilled\_bill = skilledCount \* 700;

        float management\_bll = managementCount \* 800;

        float total\_bill = manual\_bill + skilled\_bill + management\_bll;

        double taxToPay = total\_bill \* 0.2;

        System.out.println("Total wage : " + total\_bill);

        System.out.println("Tax to pay : " + taxToPay);

    }

}