21L-7512 BCS-1G

Programming Fundamentals Lab

LAB NO 1

Problem NO 2

A

Obtain two numbers from keyboard compute their sum and display result

- Display what is the first number?
- Input first number.
- Display what is the second number?
- Input second number.
- SUM = First number + Second number.
- Display : "SUM"

B

Obtain two numbers from the keyboard and determine and display which [if either] is larger of the two numbers

- Display what is the first number?
- Input Num 1.
- Display what is the second number?
- Input Num 2.
- If Num1 > Num2 then Display “Num 1 is Larger” and Stop Else
- If Num2 > Num1 then Display “””Num 2 is Larger” and Stop Else
- Both numbers are Same.

C

Obtain a series of positive numbers from the keyboard, and determine and display their sum.

Assume that the user types the sentinel value -1 to indicate "end of data entry."

- Display what is the series of Positive Numbers?
- Input series of positive numbers.
- Take SUM of Positive Numbers if the number input is –1 then Display [End of data entry] Else Display SUM
- Display Sum of more Numbers?
- Take Sum = Num + Num.
- Repeat From Step one Unitil you have taken Sum of all numbers Else Stop.

Problem NO 3

Write a Pseudocode algorithm that takes from the user number of working hours and wages per working hour and calculate the gross salary. Please write in clear steps.

- Display = Please Enter the number of working hours?
- Input Working Hours.
- Display =Enter Wage per Working Hour?
- Input Wage per working Hour.
- Gross Salary = Working Hours x Wage per hour
- Diplay "Gross Salary"

Problem NO 4

Write a Pseudocode algorithm to convert Fahrenheit to Celcius using following Formula

- Display Please Enter Temperature in Farenheit.
- Input Temperature in Farenheit.
- Celcius = 5/9(F-32)
- Display "Celcius"

Problem NO 5

Write a pseudocode that tells a user that the number they entered is not a 5 or 6

- Display Please Enter the number.
- Input Number.
- If Number is 5 or 6 then Display Number is 5 or 6 and END Else.
- Display Number is neither 5 nor 6.
- If Repeat then Goto 1 Else Stop.

Problem NO 6

Write a Pseudocode that performs the …….color option.

1. Display Please Enter a number.
2. If the Number is between 0 to 10 then Display BLUE and Stop Else goto next step.
3. If the Number is between 10 to 20 then Display RED and Stop Else goto next step.
4. If the NUmber is between 20 to 30 then Display GREEN and Stop Else goto next step.
5. Display “Not a correct Color option”.

Problem NO 7

Suppose you have lost……..the cupboard

1. Display Search in the Cupboard.
2. Input Open the Cupboard.
3. Number of shelve, Flag
4. Repeat “Until shelve exist”
5. If (“Object of shelve = watch”)
6. Flag = True Stop Else Flag is not True.