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PST (TRI)

1. What is a computer

Computer is an electronic devices which input data and stores the data information and its outputs the data

2. List different types of computer

(i) Tablets
(ii) Desktop
(iii) Mobile phone (smart phone)
(iv) Television

3. Explain input and output devices?

i) Input devices :- Input devices is a piece of equiment used to provide data and control signals to an information for a processing system
eg: Mouse, Joysticks, keyboard, microphone, cameras

4. ~~Explain ‡~~
ii) Output devices:- An output devices is a piece of a computer equiment that recives data from one source and convert into another form.
eg: Monitor, Printer, projector, Headphone, speakers

4. Explain the application of computer?

(i) * Education :- Computers are used for education purpose gives

a) online searching / Learning
b) Virtual class
c) Researching

(ii) Banking :- It is used for
a) Loans
b) security purpose
c) Transaction etc

(iii) Entertainment :- It is used for
a) Gaming
b) research
c) music etc

iv) Hospital :- It is used for patients details (Information and Patient monitering (Heart rate, pulse

5. (x) Explain the parts of computer?

ans The parts of computer includes physical components also known as hardware the software that runs on the central processing unit.

Motherboard, Ram, Mouse, keyboard, microphone input, output etc.

MODULE-1
Introduction to Language

Algorithm -

An algorithm provides a blue print for writing a program to solve a particular problem

Charecteristics -

Be precised, Be anambigious,
No even a single instruction must be repeated infinietly
After the algorithm gets luminated the desired result must be obtained.

Control structures used in Algorithm

1. Sequence
2. Dession
3. Repetition

1. **Sequence** - Each step of the algorithm is executed in specified order.

Ex: Adding two number

Step-0 : Start
Step-1 : Input value of a
Step-2 : Input value of b
Step-3 : Add c = a+b
Step-4 : End print C
Step -5 : End

a = 10
b = 5
c = a+b = 10+5
c = 15

Simple Calculator

8 Multiplication

a = 2
b = 4
c = 6
d = 8

step 0 : start
step 1 : Input value a, b, c, d,
step 2 : multiply c = a x b
step 3 : print c
step 4 : divide x = a % b
step 5 : print x
step 6 : Subtract y = b - a
step 7 : print y
step 8 : End

step 0: start
step 1: Input value a, b, c, d
step 2: if (a>b) && (a>c)
step 3: else ~~a is greater~~ print a is greater
step 4: else if (b>a) && (b>c)
step 5: else print b is greater
step 6: else if (c>b) && (c>a)
step 7: ~~Att~~ else print c is greater
step 8: else
step 9: print all are equal
step 10: End.

Repetition

~~Start 0: S~~ Step 0: Start
Step 1: Input value ~~for~~ i and count
Step 2: for (i=0, i<count, i+1)
Step 3: print i
Step 4: End

Even Nos

Step 0: Start
Step 1: Input value i and count
Step 2: for (i=0, i<count, i+2)
Step 3: print i
Step 4: End.

Even No:

Step 0: start
Step 1: Input value i and n
step 2: for (i=1, i≤n, i+1)
Step 3: a = 2xi
Step 4: ~~End~~ print a
Step 5: End

Odd Nos 1, 3, 5, 7 ...

Step 0: Start
Step 1: Input value of i and n
Step 2: for (i=0, i≤9, i+2)
Step 3: print i
Step 4: End

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Repetition

start 0: s
step 0: start
step 1: Input value i and count
step 2: for (i=0, i<count, i+1)
step 3: print i
step 4: End

Even Nos

Step 0: Start
Step 1: Input value i and count
Step 2: for (i=0, i<count, i+2)
Step 3: print i
step 4: End.

Even No:

step 0: start
Step 1: Input value i and n
step 2: for (i=1, i≤n, i+1)
Step 3: a = 2xi
step 4: End, print a
step 5: End

Odd Nos 1, 3, 5, 7, 9

step 0: Start
Step 1: Input value of i and n
step 2: for (i=0, i≤9, i+2)
Step 3: print i
step 4: End

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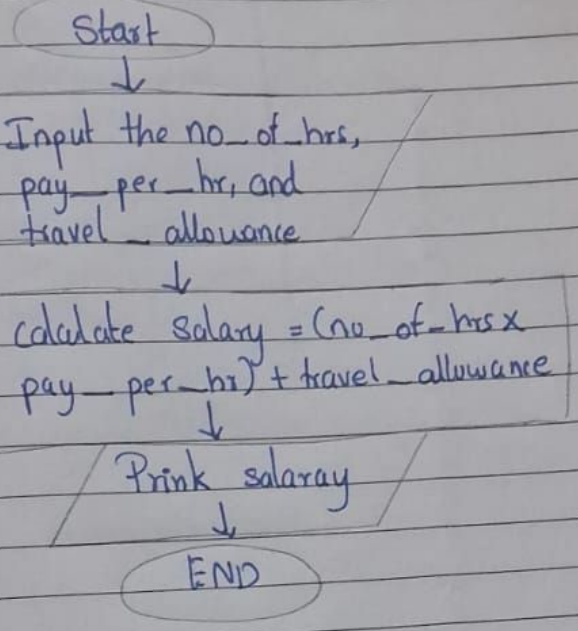
1. Draw a flowchart to calculate the salary of a daily wager

Soln:



2. Draw a flowchart to determine the largest of three numbers.