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{ CONTROL STRUCTURE }

What is a Control structure?

A control structure: is a programming concept that determines the order in which instructions are executed in a program.

Control structures guide what happens next in programming --like: Do something once, Repeat something or Make a decision

Types Of Control Structure

1. Sequence control structure
2. Selection/Decision making control structure
3. Iteration (Looping) control structure

__Control Structures, they make programs **dynamic** and **intelligent**.__

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{ CONTROL STRUCTURE Cont... }

1. Sequence Control Structure

Sequence Control Structure: is a control that Executes instructions one after another, in order.

A Sequence Control Structure it is the default way code runs.

Example of Sequence Control Structure

```
print( "Hello“ )
print("Welcome to ICP session!“)
```

{ CONTROL STRUCTURE Cont... }

2. Selection Control Structure

Selection Control Structure: Execute Instructions based on condition.

A Selection Control Structure Uses **if, if-else**, or **switch/case**

Example of Selection Control Structure

```
isPassedICA = True

If isPassedICA: then
print( "A student is allowed to take ICP" )
Else:
print("A student is not allowed to take ICP !")
```

In simple word, If this condition applied on our marks, then we passed introduction to computer application(ICA) to be here learning ICP.

{ CONTROL STRUCTURE Cont... }

3. Iteration Control Structure

Iteration Control Structure: allows a set of instructions to be executed repeatedly, usually based on a condition or a number of times.

A Iteration Control Structure Uses **for**, **while**, or **do-while** loops.

Example of Iteration Control Structure

```
isPassedICA = True

While isPassedICA: then
      print( "A student is allowed to take ICP" )
```

{ CONTROL STRUCTURE END }

HAPPY Pre-
PROGRAMMING !

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