

$a = 5 \checkmark$   
 $a = 8 \checkmark$   
 $a = 12 \checkmark$

$a \rightarrow \text{variable}$   
 $\text{var } \left\{ \begin{array}{l} \cancel{8} \\ \cancel{8} \\ 12 \end{array} \right\} \text{ gone.}$

Constants: are fixed values, which once are declared & set will never change during the execution of program.

pseudocode:

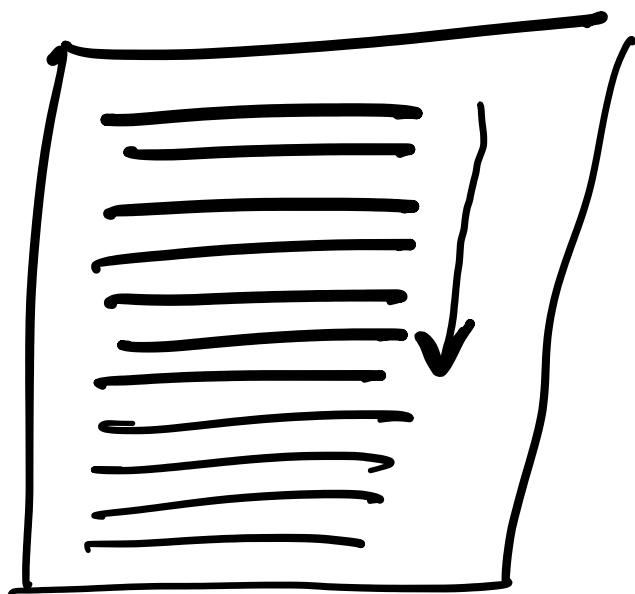
CONSTANT  $\pi \leftarrow 3.142$

VB.net:

Const  $\pi = 3.142$

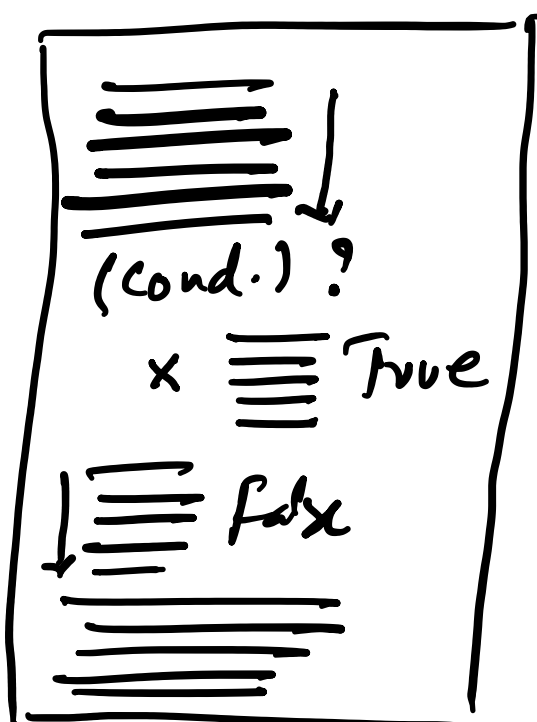
## Constructs:

### SEQUENCE



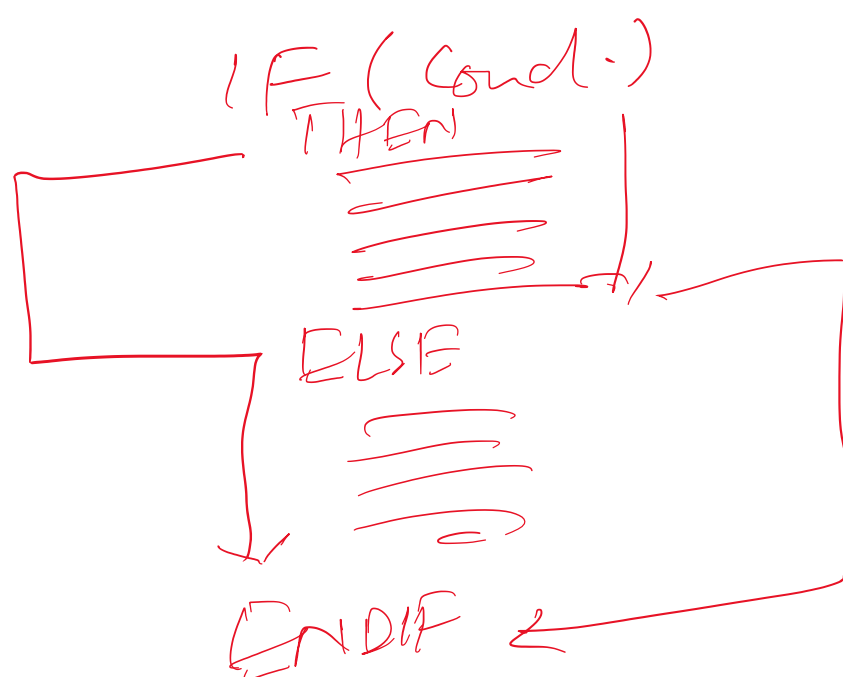
It is when a program is being executed in order of its instructions occurrence.

### SELECTION/ DECISION:

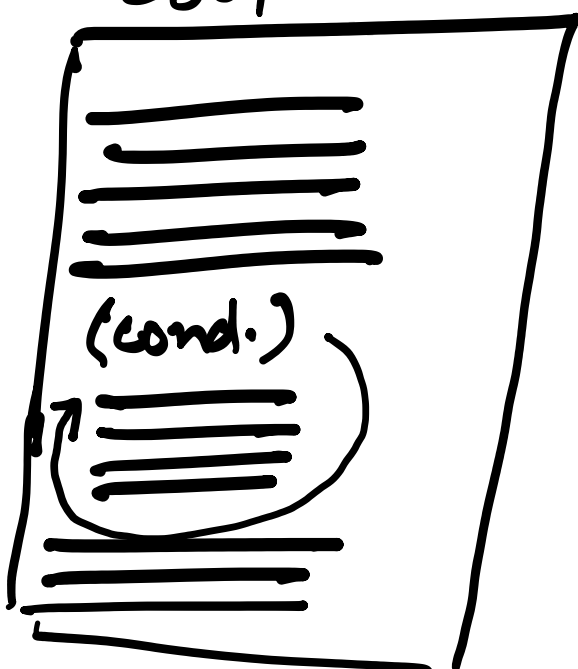


When program skips execution of few lines according to the result of a condition.

E.g: IF... THEN... ELSE... ENDIF  
 (Cond.) TRUE FALSE



### Iteration/ Repetition/ Loop.



It means few code lines will get executed repeatedly until a condition allows for it.

E.g: For... Next  
 While... Endwhile  
 Repeat... Until.

There are two types of iterations:

1. Count based (definite)
2. Condition based (indefinite)