

O/L
I.C.T.

LOOPS AND ARRAYS

2017 A/LS
ISLAND
1ST, 2ND,
7TH & 13TH

2019 A/LS
ISLAND
1ST, 3RD
& 4TH

THE BEST
ENGLISH MEDIUM
CLASS FOR
A/L I.C.T.

TERAN SUBASINGHE

MBCS BEST PERFORMER IN 2016 BATCH OF
BSC HONS IN COMPUTER SCIENCE
UNIVERSITY OF GREENWICH UK



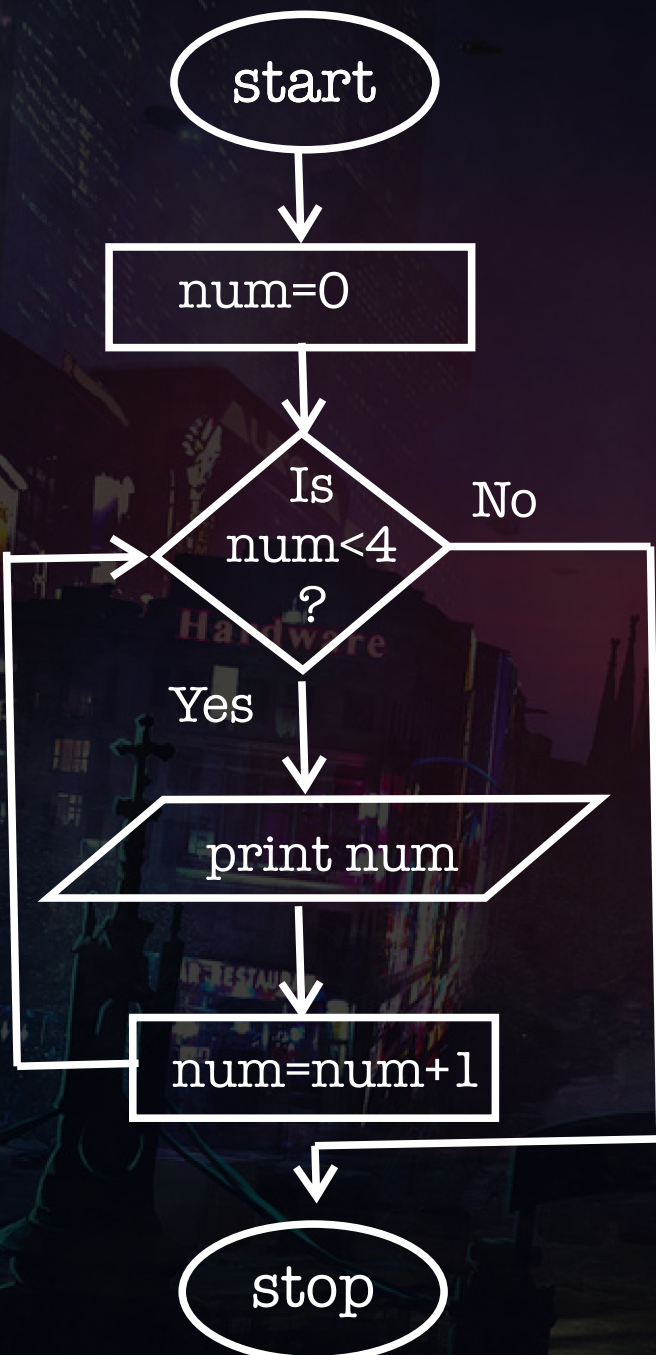
LOOP

REPEATING STATEMENTS BASED
ON A CONDITION

EXAMPLE

TO DISPLAY NUMBERS FROM 0 TO 3

FLOWCHART



PSEUDOCODE

BEGIN

num=0

WHILE num<4 DO

print num

num=num+1

END WHILE

END.



LOOP

REPEATING STATEMENTS BASED
ON A CONDITION

EXAMPLE

TO DISPLAY NUMBERS FROM 0 TO 3

PASCAL CODE

```
var num:integer;  
BEGIN  
    num:=0;  
    WHILE num<4 DO  
        BEGIN  
            writeln(num);  
            num:=num+1;  
        END;  
    END.
```


it

itguru.lk
teran.lk

ARRAY

IS A COLLECTION OF DATA WITH A COMMON IDENTIFIER

EXAMPLE

MARKS : ARRAY [0..3] OF INTEGER;

MARKS

90	80	65	78
----	----	----	----

[0]

[1]

[2]

[3]

MARKS [0] := 90;

MARKS [1] := 80;

MARKS [2] := 65;

MARKS [3] := 78;

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LOOPS WITH ARRAYS

DISPLAYING THE ARRAY CONTENT
USING A LOOP

```
I:=0;  
WHILE (I<LENGTH(MARKS)) DO  
BEGIN  
    WRITELN(MARKS[I]);  
    I:=I+1;  
END;
```

OUTPUT

90

80

65

78


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LOOPS WITH ARRAYS

USING A LOOP TO ASSIGN VALUES
TO AN ARRAY FROM USER INPUTS

```
x:=0;  
WHILE (x<LENGTH(MARKS)) DO  
BEGIN  
    WRITELN('MARKS = ');  
    READ(MARKS[x]);  
    x:=x+1;  
END;
```

ALL THE ✓ VALUES
ARE ASSIGNED
BASED ON USER INPUTS

LET'S DRIVE

MORE

WITH CODING



SEE MORE IN
#PRACTICALS