

## practical list-3

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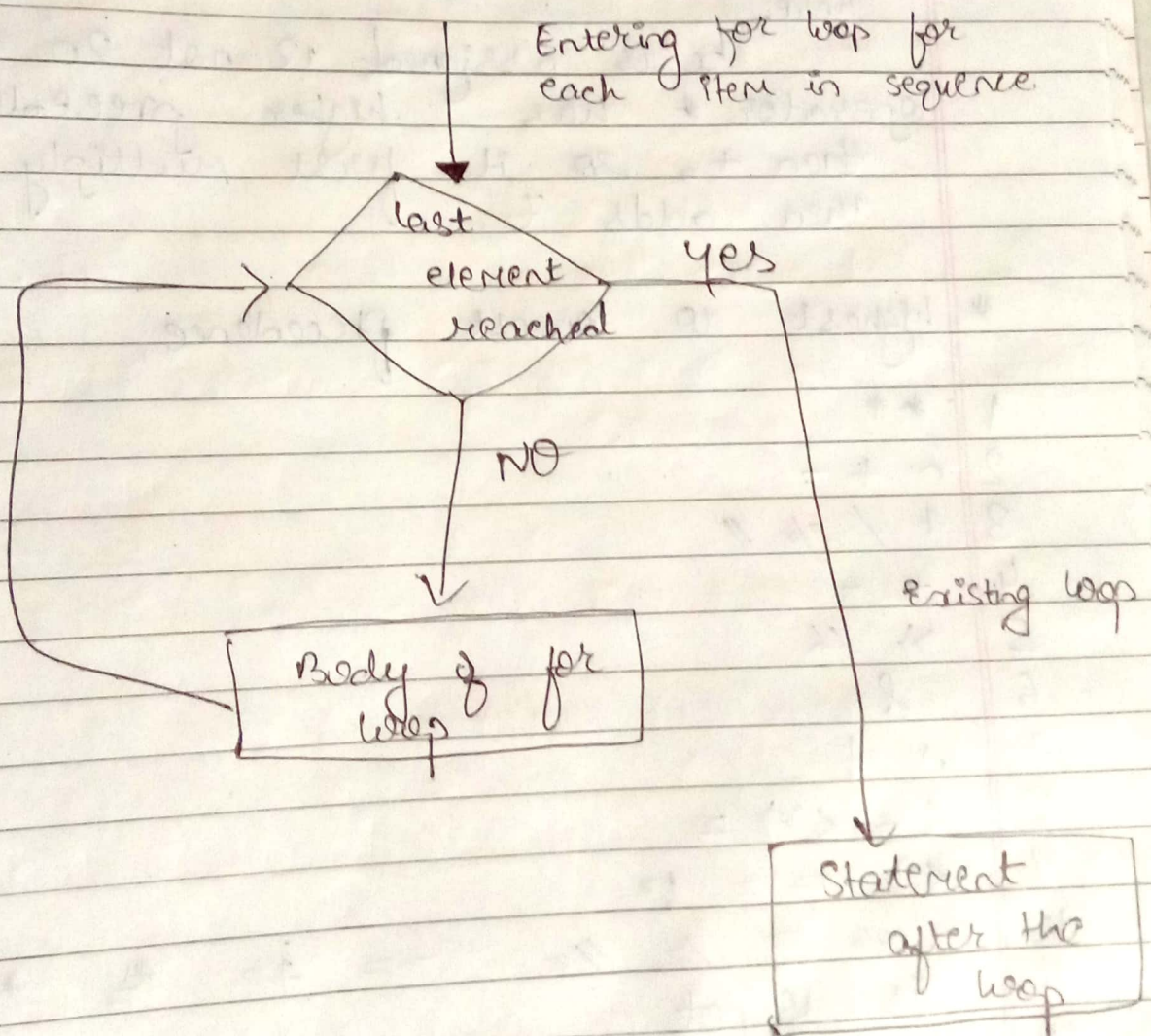
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Q1 what is Range function?

→ The range() function returns a sequence of numbers, starting from 0 by default, and increment by 1 by default and stops before a specified number.

Q2 Draw a flowchart of for loops?

Ans





Q3 Explain operator's precedence in python?

Ans Operator precedence affects how an expression is evaluated. Here, operators with the highest precedence appear at the top of the table.

Eg:-

$$x = 7 + 3 * 2;$$

here,

$x$  is assigned 13 not 20 because operator  $*$  has higher precedence than  $+$ , so it first multiply  $3 * 2$  then adds 7.

\* highest to lowest precedence

- 1  $**$
- 2  $\sim + -$
- 3  $* / \% //$
- 4  $+ -$
- 5  $>> <<$
- 6  $\&$
- 7  $\wedge |$
- 8  $< = < > > =$
- 9  $< > = = < > =$
- 10  $= \% = / = // = - = + = * = ** =$
- 11  $is is not$
- 12  $is not in$
- 13  $not or and$



Q4. Differentiate for loop and while loop?

⇒ The for loop is used only when we already knew the number of iterations. The while loop is used only when number of iterations are not exactly known. If the condition is not put up in for loop then loop iterates infinite times. If the condition is not put up in the while loop, it provides compilation error.