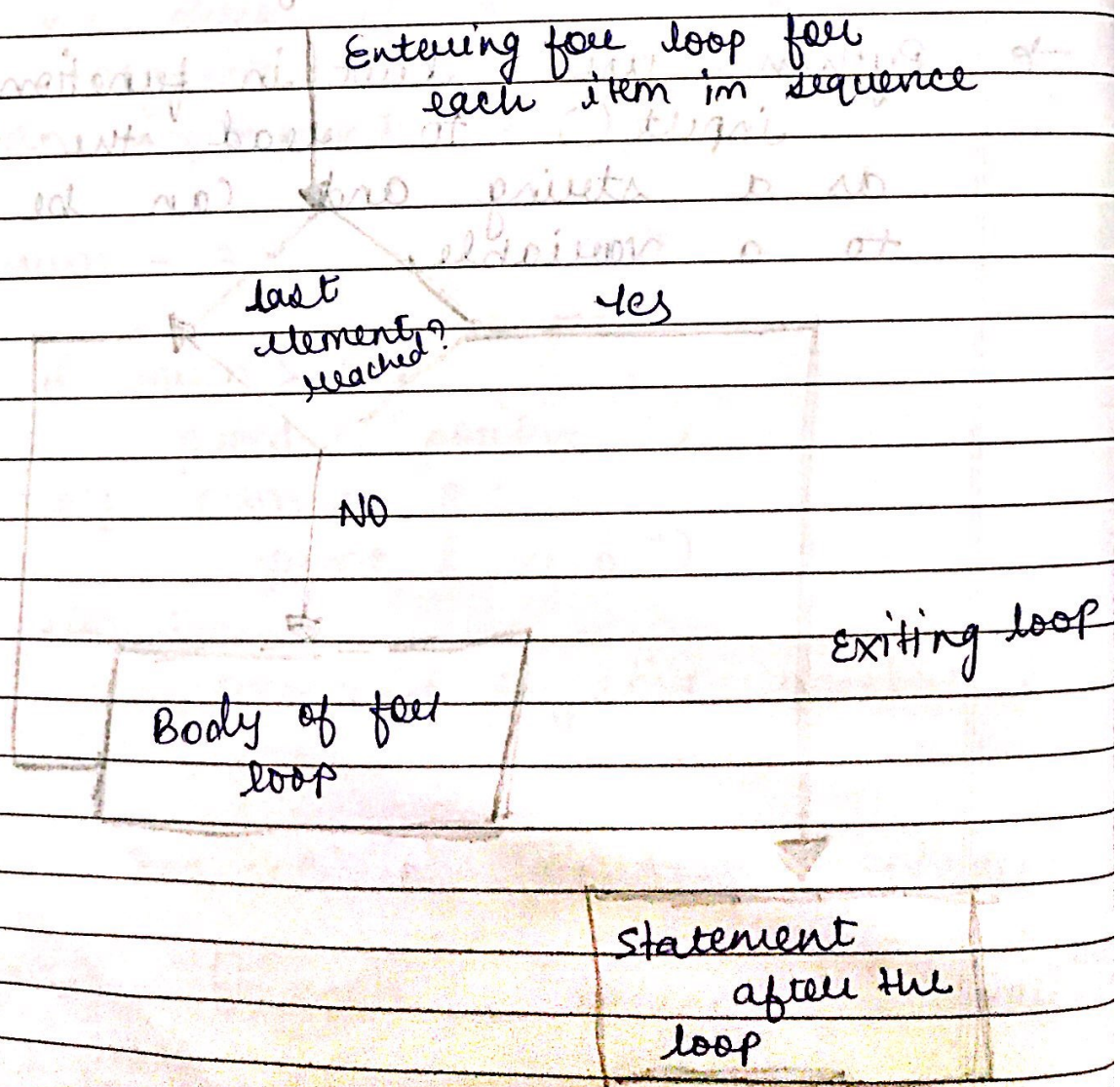Date ___/___/___

Q.1 what is range function?

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

Q.2 Draw a flowchart of for loops?

Entering for loop for each item in sequence

last element? reached   Yes

NO

Exiting loop

Body of for loop

Statement after the loop

Q.3 Explain operator's prescendence in python?

→ Operator precedence affects how an experience 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.

operators from highest to lowest precedence

1) `**`
2) `~ + -`
3) `* / %. //`
4) `+ -`
5) `>> <<`
6) `&`
7) `^ |`
8) `<= <> >=`
9) `<> == !=`
10) `= %= /= //= -= += *= **=`
11) `is is not`
12) `is not in`
13) `not or and`

Q.4 Differentiate for loop and while loop ?

→ The for loop used only when use already knew the number of iterations. The while loop used only when number of iteration are not exactly known. If the condition is not put up in for loop then loop iterates infinite time. If the Condition is not put up in the while loop, it provide Compilation error.