Ques:

Understanding the role of break, continue, and pass in Python loops

Ans:

Python supports the following control statements:

->Break statement

->Continue statement

->Pass statement

--------------------------------- BREAK -----------------------------

->The break statement in Python is used to exit or “break” out of a loop.

Example:

# Using For Loop

for i in range(5):

if i == 3:

break # Exit the loop when i is 3

print(i)

------------------------------- CONTINUE -----------------------------

Python Continue statement is a loop control statement that forces to execute

the next iteration of the loop while skipping the rest of the code inside the

loop for the current iteration only

Example:

for i in range(5):

if i == 3:

continue # Skip the rest of the code for i = 3

print(i)

------------------------------- PASS -----------------------------

Pass statement in Python is a null operation or a placeholder. It is used when

a statement is syntactically required but we don’t want to execute any code.

Example:

for i in range(5):

if i == 3:

pass # Placeholder for future code

print(i)