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Topic	Break, Continue & Pass	Last updated on	10 August 2024

1. What does a break statement do?

a. Repeat

b. Skip

c. Stop

d. Print

Ans: c. Stop

Explanation: The break statement stops the loop. The control is transferred to the next executable statement in the program.

2. What does the continue statement do?

a. Skip

b. Print

c. Stop

d. Repeat

Ans: a. Skip

Explanation: The continue statement stops (or breaks) the current iteration and takes the control back to the beginning of the loop. Control is never taken out of the loop by the continue statement.

3. The continue statement can be used in?

a. while loop

b. for loop

c. do-while

d. Both A and B

Ans: d. Both A and B

Explanation: The continue statement can be used in both while and for loops

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4. The _____ statement is a null operation.

a. break

b. exit

c. return

d. pass

Ans: d. pass

Explanation: The pass statement is a null operation; it does nothing. It is used as a placeholder where no action is needed but a statement is needed by the syntax.

5. What is the purpose of the pass statement in Python?

a. To exit from a loop prematurely

b. To skip the current iteration of a loop

c. To do nothing and act as a placeholder

d. To execute a block of code if a condition is false

Ans: c. To do nothing and act as a placeholder

Explanation: pass allows code to run without doing anything, often used as a placeholder.

6. The continue statement is always used inside the body of the looping statements.

a. True

b. False

c. None of the above

Ans: a. True

Explanation: The continue statement cannot be used outside a loop structure.

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7. Which keyword is used to terminate the looping in Python?

a. break
b. continue
c. raise
d. pass

Ans: a. break

Explanation: A break statement inside a loop is used to terminate the loop and transfer the control to the next executable statement that comes immediately after the loop.

8. Which keyword is used to throw the control of the program to the beginning of a loop when a certain condition is met?

a. break
b. continue
c. raise
d. pass

Ans: b. continue

Explanation: The continue statement takes the control (from where it is in the loop) to the beginning of the loop.

9. Is the following statement true or false? The break, continue, and pass statements are used to control loops in Python.

a. True
b. False
c. None of the above

Ans: a. True

Explanation: All these three - break, continue and pass statements, control the flow of execution in a loop structure.

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10. What happens when a break statement is encountered in a nested loop structure?

a. If you are using a nested loop , the break statement will stop the execution of the innermost loop.

b. If you are using nested loops , the break statement will stop the execution of the outer loop.

c. Both of the above

d. None of them

Ans: a. If you are using a nested loop , the break statement will stop the execution of the innermost loop.

Explanation: In case of a nested loop, if the break statement is in the outer loop, the control is taken out of the nested loop structure. If the break statement is in the inner loop, the control is taken out of the inner loop to the next executable statement in the outer loop.

11. The _____ statement skips the rest of the loop statements and causes the next iteration of the loop to take place.

a. break

b. continue

c. if else

d. pass

Ans: b. continue

Explanation: The continue statement skips the rest of the loop statement and takes control back to the top or beginning of the loop to continue with the execution of the next iteration.

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12. Which of the following is a jumping statement?

a. break statement

b. continue statement

c. pass statement

d. All of them

Ans: d. All of them

Explanation: break stops the loop, continues skips to the next iteration, and pass does nothing.

13. In which of the following loops can the continue statement be used?

a. while loop

b. for loop

c. do-while loop

d. Both a and b

Ans: d. Both a and b

Explanation: The continue statement can be used in both while and for loops to skip the rest of the current iteration and move to the next one. There is no do-while loop in Python, so it doesn't apply.

14. Which of the following is True regarding loops in Python?

a. Loops should be ended with the keyword "end".

b. No loop can be used to iterate through the elements of strings.

c. Keyword "break" can be used to bring control out of the current loop.

d. Keyword "continue" is used to continue with the remaining statements inside the loop.

Ans: c. Keyword "break" can be used to bring control out of the current loop.

Explanation: The break keyword in Python stops a loop. You can use loops to go through each character in a string, just like you do with lists or tuples.

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15. In Python, what happens if the break statement is not inside a loop?

a. It raises an error.

b. It has no effect.

c. It terminates the entire program.

d. It skips the current iteration.

Ans: b. It has no effect

Explanation: The break statement is designed to be used within loop structures, and if it's not inside a loop, it has no effect.

16. Can the break statement be used in nested loops in Python?

a. Yes

b. No

Ans: a. Yes

Explanation: Yes, the break statement can be used inside a nested loop. It terminates the loop in which it is present.

17. How is the pass statement different from the continue statement in Python?

a. pass terminates the loop, while continue does nothing.

b. continue terminates the loop, while pass does nothing.

c. pass does nothing and continues with the next iteration, while continue skips the rest of the code in the current iteration.

d. pass and continue are interchangeable and have the same effect.

Ans: c. pass does nothing and continues with the next iteration, while continue skips the rest of the code in the current iteration.

Explanation: The pass statement does nothing. The continue statement skips the rest of the code in the current iteration and moves to the next iteration of the loop. break stops and quits the loop.

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18. Which statement is used to forcefully end the execution of a loop in Python?

a. break
b. terminate
c. exit
d. stop

Ans: a. break

Explanation: The break statement is used to forcefully end the execution of a loop in Python.

19. Which of the following statements is used to terminate the entire program in Python?

a. exit ()
b. terminate ()
c. quit ()
d. break

Ans: a. exit ()

Explanation: The exit () function is used to terminate the entire program in Python.

20. In Python, can the break statement be used outside of a loop or an if structure?

a. Yes
b. No

Ans: b. No

Explanation: The break statement is designed to be used within loop structures or inside the if structure and cannot be used outside of them.

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21. What happens if they continue statement is encountered inside a function in Python?
    a. The function is terminated.
    b. The rest of the code in the current iteration is skipped, and the function moves to the next iteration.
    c. The function continues executing the remaining code in the function block.
    d. The entire program is terminated.

Ans: c. The function continues executing the remaining code in the function block.

Explanation: The continue statement only affects loops, and if it's encountered within a function, it won't impact the function's execution or flow.

22. How can you exit a loop prematurely in Python?
    a. Using the break statement
    b. Using the continue statement
    c. Using the pass statement
    d. Using the exit function

Ans: a. Using the break statement

Explanation: You can exit a loop early in Python using the break statement. It stops the loop right away and moves on to the next part of the code.

23. ---------- is an empty statement in Python.
    a. Jump
    b. Comment
    c. empty
    d. pass

Ans: d. pass

Explanation: The pass statement in Python is an empty statement that does nothing. It acts as a placeholder when you need to write code but haven't added anything yet.

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24. What will be the output of the following code?

```
for i in range(5):
if i == 3:
continue
print(i)
```

a. 0 1 2 3 4
b. 0 1 2 4
c. 1 2 3 4
d. 0 1 2 3

Ans: b. 0 1 2 4

Explanation: The output will be 0 1 2 4 because when i is 3, the continue statement skips that number. So, it prints all numbers from 0 to 4 except for 3.