
DAILY ASSESSMENT DAY 6

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Course:	PYTHON	USN:	4AL14EC078
Topic:	Loops and Control Statements (continue, break and pass) in Python	Semester & Section:	8 th , a sec
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REPORT

Loops and Control Statements (continue, break and pass) in Python

Python programming language provides following types of loops to handle looping requirements.

While Loop

Syntax:

```
While expression:  
statements
```

In Python, all the statements indented by the same number of character spaces after a programming construct are considered to be part of a single block of code. Python uses indentation as its method of grouping statements.

For in Loop

In Python, there is no C style for loop, i.e., for (i=0; i<n; i++). There is “for in” loop which is similar to for each loop in other languages.

Syntax:

```
for iterator_var in sequence
    Statement(s)
```

The syntax for a nested while loop statement in Python programming language is as

```
follows:      while expressions:      while expression:
               statement(s)
```

```
statement(s)
```

A final note on loop nesting is that we can put any type of loop inside of any other type of loop. For example a for loop can be inside a while loop or vice versa.

Loop Control Statements

Loop control statements change execution from its normal sequence. When execution leaves a scope, all automatic objects that were created in that scope are destroyed. Python supports the following control statements.

Continue Statement

It returns the control to the beginning of the loop.

Break Statement

It brings control out of the loop

Pass Statement

We use pass statement to write empty loops. Pass is also used for empty control statement, function and classes

PYTHON EXERCISE

Write python code to verify user_name = "Micheal" and password = "e3\$WT89x". The total number of attempts are 03. For every wrong user_name and password Print - Invalid username or Password, upon three attempts fails print- Account locked If inputs are correct Print - You have successfully login count=0 while count<3:

```
username=input('Enter username: ')
password=input('Enter password: ')
if username=='Micheal.'and password=='e3$WT89x.':
    print('You have successfully
login')      break  else:
    print('Invalid username or
password.')   count+=1      if
count==3:
    print('\n Your account as been locked\n ')
```

OUTPUT

Online Compiler

Shell

```
Invalid username or password.  
Enter username: CAT  
Enter password: 456  
Invalid username or password.  
Enter username: DOG  
DOG  
Enter password: 789  
789  
Invalid username or password.  
  
Your account Has been locked
```

Python Online Compiler

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main.py Shell

```
Enter username: Micheal.  
Micheal.  
Enter password: e3$WT89x.  
e3$WT89x.  
You have successfully login  
>>> |
```

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