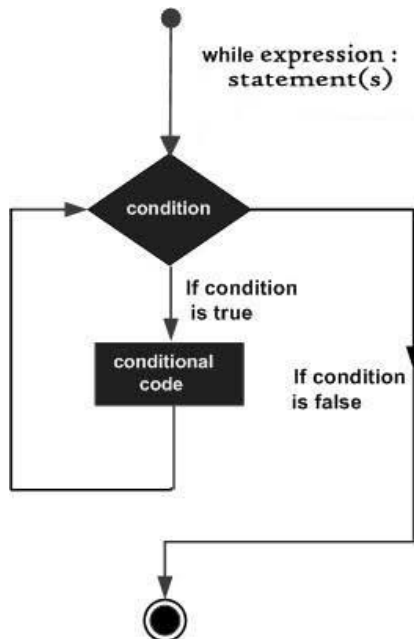


Exercise 8b – while loops

Syntax: while x = y: # Do this loop during the time that the condition is true then continue when not.



```
Python 3.4.1: WhileLoop.py - G:\2014-15\Courses\L3SD1\06 SDD\03 Not...
File Edit Format Run Options Windows Help

# While loop
Password=123
PasswordAttempt=0

PasswordAttempt=int(input("Enter The Password "))
while (int(Password) != int(PasswordAttempt)):
    print("Your password is incorrect - Please Try Again ")
    PasswordAttempt=int(input("Enter The Password "))
print("Your password is correct - Welcome to Your Account ")

Ln: 10 Col: 0
```

```
Python 3.4.1 Shell
File Edit Shell Debug Options Windows Help

>>>
Enter The Password 111
Your password is incorrect - Please Try Again
Enter The Password 222
Your password is incorrect - Please Try Again
Enter The Password 333
Your password is incorrect - Please Try Again
Enter The Password 123
Your password is correct - Welcome to Your Account
>>>

Ln: 45 Col: 4
```

- Improve the program to use text and numbers for the password. *Tip: Use str() function for text string*
- Improve it further by indicating how many attempts left (out of 5)

Challenge A (Using a while loop)

- Design and write a program which uses a loop to ask for integer (number) values from the user, and to calculate the average. How many values are to be averaged is the first thing the user is asked for....

How many numbers to be averaged? [3]

Enter number 1 [10]

Enter number 2 [12]

Enter number 3 [13]

Total is [35]

Average is 11.6666666666