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Python Alpha 400b

Loops **for** and **while**

Dua of the day to recite after Takbeer in Salah

Supplication at the start of the prayer after takbeer

اللَّهُمَّ رَبَّ جِبْرَائِيلَ ، وَمِيكَائِيلَ ، وَإِسْرَافِيلَ ، فَاطِرَ السَّمَوَاتِ وَالْأَرْضِ ، عَالِمَ الْغَيْبِ وَالشَّهَادَةِ
أَنْتَ تَحْكُمُ بَيْنَ عِبَادِكَ فِيمَا كَانُوا فِيهِ يَخْتَلِفُونَ . اهْدِنِي لِمَا اخْتُلِفَ فِيهِ مِنَ الْحَقِّ بِإِذْنِكَ ، إِنَّكَ
تَهْدِي مَنْ تَشَاءُ إِلَى صِرَاطٍ مُسْتَقِيمٍ

O Allah, Lord of Jibra-eel, Meeka-eel and Israfeel (great angles), Creator of the heavens and the Earth, Knower of the seen and the unseen. You are the arbitrator between Your servants in that which they have disputed. Guide me to the truth by Your leave, in that which they have differed, for verily You guide whom You will to a straight path. Reference: Muslim 1/534

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- Please take time for clearing up your mind and reflect on how things are proceeding in your studies.

The **while** loop

The while loop is also used to repeat sections of code, but instead of looping **n** number of times, it will only loop until a specific condition is met.



The **while** loop example

```
i = 0
```

```
while i < 10:
```

```
    print(i)
```

```
    i = i+1
```

while example with break

```
i = 0
```

```
while i < 10:
```

```
    print(i)
```

```
    if i == 5:
```

```
        break
```

```
    i += 1
```

while loop example with flow control

```
i=0
while i<10:
    if i==3:
        i+=1
        continue

    print(i)
    if i==5:
        break
    i+=1
```

What else is for in loops

The else statement in loops only executes if the loop completes successfully. The primary use of the else statement is for searching for items. For example:

What else is for in loops complex example

```
my_list = [1, 2, 3, 4, 5]
for i in my_list:
    if i==3:
        print("Items found!")
        break
else:
    print(i)
    print("Item not found!")
```

جزاك الله

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