Untitled2

March 17, 2023

0.1 loop statement

0.1.1 while loop

```
[1]: ## it is continious itterative function for given condition
```

```
[3]: ## example 1;
     joining_age=25
     while joining_age<=59:
         joining_age=joining_age+1
         print(joining_age)
```

```
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```

```
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58
59
60
```

[8]:
```python
## example 2;
total_amount=1100
while total_amount!=0:
    total_amount=total_amount-100
    print(total_amount)
else:
    print(" no cash")
```

```
1000
900
800
700
600
500
400
300
200
100
0
 no cash
```

[ ]:

0.1.2 for loop

[9]:
```python
## it itterates through the collection of the list or given basket
```

[10]:
```python
## list= collection anything like integers,name, place etc
```

[15]:
```python
lst=["punith","bulls","bears",25,24,18]
```

[16]:
```python
lst[0]
```

[16]: 'punith'

[17]:
```python
lst[2]
```

[17]: 'bears'

```
[18]: lst[5]
```

```
[18]: 18
```

```
[19]: ## to pick any particular function use the above format: the lst is defined␣
      ↪in[] , the basket always starts with 0
```

```
[21]: ## once the lst is defined then the for loop works! the process to define the␣
      ↪particular function is;
```

```
[22]: for x in lst:
          print(x)
```

```
punith
bulls
bears
25
24
18
```

```
[ ]: ## where x is a temprory element which moves/trasverse in avbasket.
```

```
[23]: ## example 1;
      fruits_name=["mango","apple","bannana","watermelon"]
```

```
[24]: for x in fruits_name:
          print(x)
```

```
mango
apple
bannana
watermelon
```

```
[25]: fruits_name[0]
```

```
[25]: 'mango'
```

```
[26]: lst[1]
```

```
[26]: 'bulls'
```

```
[27]: name="punith"
      for x in name:
          print(x)
```

```
p
u
n
```

```
i
t
h
```

[29]: `name[1]`

[29]: `'u'`

[35]:
```python
country="INDIA"
for x in country:
    print(x,end='')
```

```
INDIA
```

[36]: `## to write in horizantal way press shift+tab`

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