In [2]:

```
s = [1,2,3,4,5,6,7,8]
for i in s:
    print(i,end = " ")

```

```
1 2 3 4 5 6 7 8
```

In [12]:

```
for i in s:
    if i == 5:
        continue
    print(i,end = " ")
```

```
1 2 3 4 6 7 8
```

In [11]:

```
for i in s:
    if i == 5:
        break
    print(i,end = " ")
```

```
1 2 3 4
```

In [14]:

```
for i in s:
    if i == 5:
        pass
    print(i,end = " ")
```

```
1 2 3 4 5 6 7 8
```

In [15]:

```
for i in s:
    if i == 5:
        print(i)
        break
```

```
5
```

In [16]:

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

```
5
```

In [19]:

```
for i in s:
    if i == 5:
        print(i)
        pass
```

```
5
```

In [21]:

```
for i in s:
    if i == 5:
        print(i)
        break
    print(i,end = " ")
```

```
1 2 3 4 5
```

In [23]:

```
for i in s:
    if i == 5:
        print(i)
        continue
    print(i,end = " ")
```

```
1 2 3 4 5
6 7 8
```

In [24]:

```
for i in s:
    if i == 5:
        print(i)
        pass
    print(i,end = " ")
```

```
1 2 3 4 5
5 6 7 8
```

While loop

Syntax

While condition:
- set of statements
- increment/decrement

In [31]:

```
n = 1
while n<=10:
    print(n+n,end = " ")
    n = n+1   # n+=1
```

```
2 4 6 8 10 12 14 16 18 20
```

In [2]:

```
n = 1
while n<6:  # n = 1,2,3,4,5
    if n == 3:  # n = 1,2
        break
    print(n,end = "  ") # n = 1,2
    n+=1
```

```
1  2
```

In [6]:

```
n = int(input("enter n value: "))
while n<=30:   # n = 1 to 30
    print(n,end = " ")
    n = n+1
```

```
enter n value: 28
28 29 30
```

In [4]:

```
n1 = int(input())
n = int(input())
amt = n1-1000
while True:
    if amt > n:
        print("required amt present")
    else:
        print("amt exceeds balance")
    break
```

```
5000
3000
required amt present
```

In [7]:

```
act_bal = int(input())   # balance money in account(10,000)
withdraw_amt = int(input())  # withdrawal amount(5,000)
max_withdraw_amt = n-1000       # amount we can  withdraw from account(9,000)
while True:
    if amt>n1:     # amount we can withdraw > withdraw amount
        print("take the money")
    else:
        print("no required money")
    break

```

```
10000
4000
take the money
```

Strings

- ""

In [8]:

```
s = " "
type(s)
```

Out[8]:

```
str
```

In [3]:

```
s = "PASAM SIRISHA @1971095"
```

Indexing

- positive indexing
- negative indexing

In [20]:

```
s[5]
s[10]
s[8]
s[-3]
```

Out[20]:

```
'0'
```

Slicing

varname[start index :end index : step count]

In [26]:

```
s[18:22] # 18,19,20,21
```

Out[26]:

```
'1095'
```

In [29]:

```
print(s)
s[15:22:2]
```

```
PASAM SIRISHA @1971095
```

Out[29]:

```
'1705'
```

In [7]:

```
print(s[0:22:3])
print(s[0::3])
print(s[::3])
```

```
PASIA115
PASIA115
PASIA115
```

In [8]:

```
print(s[21:5:-2])
```

```
5071 HII
```

In [13]:

```
print(s[-1:-5:-2])
```

```
50
```

In [15]:

```
t = len(s)//2
s[t]
```

Out[15]:

```
'H'
```

In [16]:

```
s[len(s)//2]
```

Out[16]:

```
'H'
```

In [18]:

```
1 s[len(s)//3]
```

Out[18]:

```
'I'
```

In [ ]:

```
1
```