In [1]:

```python
str = "Nikhitha"
for i in str:
    print(i)
```

```
N
i
k
h
i
t
h
a
```

In [2]:

```python
list = [1,2,3,4,5,6,7,8,9,10]
n = 5
for i in list:
    c = n*i
    print(n," *",i, " =", c)
```

```
5  * 1   = 5
5  * 2   = 10
5  * 3   = 15
5  * 4   = 20
5  * 5   = 25
5  * 6   = 30
5  * 7   = 35
5  * 8   = 40
5  * 9   = 45
5  * 10  = 50
```

In [3]:

```python
list = [10,30,23,43,65,12]
sum = 0
for i in list:
    sum = sum+i
    print("The sum is:",sum)
```

```
The sum is: 10
The sum is: 40
The sum is: 63
The sum is: 106
The sum is: 171
The sum is: 183
```

In [4]:

```python
for i in range(14):
    print(i,end=' ')
```

```
0 1 2 3 4 5 6 7 8 9 10 11 12 13
```

In [5]:

```python
n = int(input("Enter the number "))
for i in range(1,11):
    c = n*i
    print(n,"*",i,"=",c)
```

```
Enter the number 8
8 * 1 = 8
8 * 2 = 16
8 * 3 = 24
8 * 4 = 32
8 * 5 = 40
8 * 6 = 48
8 * 7 = 56
8 * 8 = 64
8 * 9 = 72
8 * 10 = 80
```

In [6]:

```python
n = int(input("Enter the number "))
for i in range(2,n,2):
    print(i)
```

```
Enter the number 22
2
4
6
8
10
12
14
16
18
20
```

In [7]:

```python
list = ['Nikhitha','Shalini','usha','hema']
for i in range(len(list)):
    print("Hello",list[i])
```

```
Hello Nikhitha
Hello Shalini
Hello usha
Hello hema
```

In [8]:

```python
for i in range(0,7):
    print(i)
else:
    print("for loop completely exhausted, since there is no break.")
```

```
0
1
2
3
4
5
6
for loop completely exhausted, since there is no break.
```

In [9]:

```python
for i in range(0,7):
    print(i)
    print("bye")
    continue;
    print("hello")
else:print("for loop is exhausted");
print("The loop is broken due to break statement...came out of the loop")
```

```
0
bye
1
bye
2
bye
3
bye
4
bye
5
bye
6
bye
for loop is exhausted
The loop is broken due to break statement...came out of the loop
```

In [10]:

```python
i = 0
str1 = 'Nikhitha'
print(str1)
while i < len(str1):
    print('entered while loop before if statement')
    if str1[i] == 'a' or str1[i] == 'u':
        print('entered if statement')
        i += 1
        print('i incremented')
        continue
        print('after continue')
    print('Current Letter :', str1[i])
    i += 1
    print('going back to starting of while loop')
```

```
Nikhitha
entered while loop before if statement
Current Letter : N
going back to starting of while loop
entered while loop before if statement
Current Letter : i
going back to starting of while loop
entered while loop before if statement
Current Letter : k
going back to starting of while loop
entered while loop before if statement
Current Letter : h
going back to starting of while loop
entered while loop before if statement
Current Letter : i
going back to starting of while loop
entered while loop before if statement
Current Letter : t
going back to starting of while loop
entered while loop before if statement
Current Letter : h
going back to starting of while loop
entered while loop before if statement
entered if statement
i incremented
```

In [11]:

```python
i = 0
str1 = 'Nikhitha'
while i < len(str1):
    if str1[i] == 'n':
        i += 1
        break
    print('Current Letter :', str1[i])
    i += 1
```

```
Current Letter : N
Current Letter : i
Current Letter : k
Current Letter : h
Current Letter : i
Current Letter : t
Current Letter : h
Current Letter : a
```

In [12]:

```python
str1 = 'Nikhitha'
i = 0

while i < len(str1):
    i += 1
    pass
print('Value of i :', i)
```

```
Value of i : 8
```

In [13]:

```python
i=1
while(i<=5):
    print(i)
    i=i+1
```

```
1
2
3
4
5
```

In [14]:

```python
i=1
number = int(input("Enter the number:"))
while i<=10:
    print("%d X %d = %d \n"%(number,i,number*i))
    i = i+1
```

```
Enter the number:9
9 X 1 = 9

9 X 2 = 18

9 X 3 = 27

9 X 4 = 36

9 X 5 = 45

9 X 6 = 54

9 X 7 = 63

9 X 8 = 72

9 X 9 = 81

9 X 10 = 90
```

In [16]:

```python
i=1
while(i<=5):
    print(i)
    i=i+1
else:
    print("The while loop exhausted")
```

```
1
2
3
4
5
The while loop exhausted
```

In [17]:

```python
i=1
while(i<=5):
    print(i)
    i=i+1
    if(i==3):
        break
else:
    print("The while loop exhausted")
print("bye bye")
```

```
1
2
bye bye
```

In [18]:

```python
list =[1,2,3,4]
i=1;
count = 1;
for i in list:
    if i == 4:
        print("item matched")
        count = count + 1;
        break
print("found at",count,"location");
```

```
item matched
found at 2 location
```

In [21]:

```python
str = "Nikhitha"
for i in str:
    if i == 't':
        break
    print(i);
```

```
N
i
k
h
i
```

In [23]:

```python
n=2
while 1:
    i=1;
    while i<=10:
        print("%d X %d = %d\n"%(n,i,n*i));
        i = i+1;
    choice = int(input("Do you want to continue printing the table, press 0 for no?"))
    if choice == 0:
        break;
        n=n+1
```

```
2 X 1 = 2

2 X 2 = 4

2 X 3 = 6

2 X 4 = 8

2 X 5 = 10

2 X 6 = 12

2 X 7 = 14

2 X 8 = 16

2 X 9 = 18

2 X 10 = 20

Do you want to continue printing the table, press 0 for no?0
```

In [25]:

```python
 i = 0
while(i < 10):
    i = i+1
    if(i == 5):
        continue
    print(i)
```

```
1
2
3
4
6
7
8
9
10
```

In [27]:

```python
str = "Nikhitha"
for i in str:
    if(i == 'n'):
        continue
    print(i)
```

```
N
i
k
h
i
t
h
a
```

In [29]:

```python
list = [1,2,3,4,5]
flag = 0
for i in list:
    print("Current element:",i,end=" ");
    if i==3:
        pass
        print("\nWe are inside pass block\n");
        flag = 1
    if flag==1:
        print("\nCame out of pass\n");
        flag=0
```

```
Current element: 1 Current element: 2 Current element: 3
We are inside pass block


Came out of pass

Current element: 4 Current element: 5
```

In [30]:

```python
values = {'P', 'y', 't', 'h','o','n'}
for val in values:
    pass
```

In [31]:

```python
for i in [1,2,3,4,5]:
    if(i==4):
        pass
        print("This is pass block",i)
    print(i)
```

```
1
2
3
This is pass block 4
4
5
```

In [ ]: