```python
s = 'hyderabad'
for i in s:
  print(i)
```

```
h
y
d
e
r
a
b
a
d
```

```python
s = 'hyderabad'
for i in s:
  print(i,end=' ')
```

```
h y d e r a b a d
```

```python
s = 'hyderabad'
for i in s:
  print(i.upper(),end=' ')
```

```
H Y D E R A B A D
```

```python
s = 'HyDeraBad'
for i in s:
  if i in 'aeiouAEIOU':
    print(i.upper(),end=' ')
  else:
    print(i.lower(),end=' ')
```

```
h y d E r A b A d
```

```python
s = 'hyderabad'
for i in s:
  print(i,end=' ') # print ends with one space
else:
  print('for loop completed') # print ends with new line
```

```
h y d e r a b a d for loop completed
```

```python
s = 'hyderabad'
for i in s:
  pass
```

```python
s = 'hyderabad'
for i in s:
  pass
  print(i,end=' ')
else:
  print('for loop completed')
```

```
h y d e r a b a d for loop completed
```

```python
s = 'hyderabad'
for i in s:
  pass
else:
  print(i)
```

```
    d
```

```python
s = 'jagadeesh'
count = 0
for i in s:
  if i in 'aeiouAEIOU':
    count = count + 1
else:
  print('vowel count :',count)
```

```
    vowel count : 4
```

```python
s = 'Hello, Good AfterNOON'
count = 0
for i in s:
  if i.isupper() == True:
    count = count + 1
else:
  print('upper-case char count :',count)
```

```
    upper-case char count : 7
```

range( )

range(start value, stop value)

Note : stop value will be excluded

default start value is 0

```python
for i in range(1,5):
  print(i)
```

```
    1
    2
    3
    4
```

```python
# range(0,5)
for i in range(5): # default start value is 0
  print(i)
```

```
    0
    1
    2
    3
    4
```

```
for i in range(0,1):
  print(i)

    0
```

```
for i in range(False,True):
  print(i)

    0
```

```
for i in range(1,5):
  print(i)
else:
  print(i)

    1
    2
    3
    4
    4
```

```
for i in range(5):
  print(i)
else:
  print(i)

    0
    1
    2
    3
    4
    4
```

▾ break

is a keyword to exit from current loop

break can be used only in loops

```
for i in range(5):
  if i > 2:
    break
  print(i)
else:
  print(i)

    0
    1
    2
```

```
for i in range(5):
  break
else:
  print(i)
```

```
s = 'python'
for i in s:
```

```
    print(i)
```
```
p
y
t
h
o
n
```

```
s = 'python'
for i in s:
  print(s.find(i))
```
```
0
1
2
3
4
5
```

```
s = 'css'
for i in s:
  print(s.find(i))
```
```
0
1
1
```

```
s = 'python'
for i in range(len(s)): # generating indexes
  print(i,s[i])
```
```
0 p
1 y
2 t
3 h
4 o
5 n
```

```
s = 'hyderabad'
for i in range(len(s)):
  if i % 2 == 0:
    print(s[i],end=' ')
```
```
h d r b d
```

✓ 0s   completed at 1:26 PM   ● ✕