```python
l=[1,2,3,4,5]

l1=[]
for i in l:
    l1.append(i+1)


l1

[2, 3, 4, 5, 6]

l1=["deep","kumar","ram","jai"]

for i in l1:
    print(i)

deep
kumar
ram
jai

l1

[2, 3, 4, 5, 6]

l1=["deep","kumar","ram","jai"]

l1

['deep', 'kumar', 'ram', 'jai']

for i in l1:
    print(i)
else:
    print("do something")

deep
kumar
ram
jai
do something

l1

['deep', 'kumar', 'ram', 'jai']

for i in l1:
    if i=="kumar":
        break
    print(i)

deep
```

```
l1
```

```
['deep', 'kumar', 'ram', 'jai']
```

```python
for i in l1:
    if i=="kumar":
        print(i)
else:
    print("execute this if for loop is able to complete itself")
```

```
kumar
execute this if for loop is able to complete itself
```

```python
for i in l1:
    if i=="kumar":
        break
    print(i)
else:
    print("execute this if for loop is able to complete itself")
```

```
deep
```

```
l1
```

```
['deep', 'kumar', 'ram', 'jai']
```

```python
for i in l1:
    if i=="kumar":
        continue
    print(i)
```

```
deep
ram
jai
```

```python
for i in l1:
    if i=="kumar":
        continue
    print(i)
else:
    print("do this")
```

```
deep
ram
jai
do this
```

```python
range(5)
```

```
range(0, 5)
```

```python
list(range(0,5,1))
```

```
[0, 1, 2, 3, 4]

list(range(0,20,2))

[0, 2, 4, 6, 8, 10, 12, 14, 16, 18]

list(range(-10,0))

[-10, -9, -8, -7, -6, -5, -4, -3, -2, -1]

l1

['deep', 'kumar', 'ram', 'jai']

for i in range(len(l1)):
    print(l1[i])

deep
kumar
ram
jai

for i in range(len(l1)-1,0,-1):
    print(l1[i])

jai
ram
kumar

l2=[32,45,67,88,90,44,45,7687,78,22,3]

list(range(0,len(l2),2))

[0, 2, 4, 6, 8, 10]

for i in range(0,len(l2),2):
    print(l2[i])

32
67
90
45
78
3

l2[2]

67

l1

['deep', 'kumar', 'ram', 'jai']

l2
```

```
[32, 45, 67, 88, 90, 44, 45, 7687, 78, 22, 3]

result=0
for i in l2:
    result=result+i
result
```

8201

```
t=(1,2,3,4,5,6)

result=0
for i in t:
    result=result+1
result
```

6

```
s1="pwskills"

for i in s1:
    print(i)
```

p
w
s
k
i
l
l
s

```
d={"name":"deep","class":"python","topic":["py","cm","nlp","cv"]}

d
```

{'name': 'deep', 'class': 'python', 'topic': ['py', 'cm', 'nlp', 'cv']}

```
d["name"]
```

'deep'

```
d.keys()
```

dict_keys(['name', 'class', 'topic'])

```
for i in d.keys():
    print(d[i])
```

```
deep
python
['py', 'cm', 'nlp', 'cv']

d.values()

dict_values(['deep', 'python', ['py', 'cm', 'nlp', 'cv']])

for i in d.values:
    print(i)

--------------------------------------------------------------------
-----
TypeError                                 Traceback (most recent call
last)
Cell In[66], line 1
----> 1 for i in d.values:
      2     print(i)

TypeError: 'builtin_function_or_method' object is not iterable
```