In [4]:
```
a=[1,2,3,5,6]
a.append(7)
print(a)
```

```
[1, 2, 3, 5, 6, 7]
```

In [5]:
```
a=[1,2,3,5,6]
a.clear()
print(a)
```

```
[]
```

In [6]:
```
a=[1,2,3,5,6]
b=a.copy()
print(b)
```

```
[1, 2, 3, 5, 6]
```

In [7]:
```
a=[1,2,3,5,6,4,3,6,3,7,9]
b=a.count(3)
print(b)
```

```
3
```

In [9]:
```
a=[1,2,3,5,6,4,3,6,3,7,9]
b=len(a)
print(b)
```

```
11
```

In [10]:
```
a=[1,2,3,5,6,4,3,6,3,7,9]
b=type(a)
print(b)
```

```
<class 'list'>
```

In [11]:
```
a=list((1,2,4,5,6,))
print(a)
```

```
[1, 2, 4, 5, 6]
```

In [12]:
```
a=[1,2,3,5,6,4,3,6,3,7,9]
b=[4,6,7,89,"are","we"]
a.extend(b)
print(a)
```

```
[1, 2, 3, 5, 6, 4, 3, 6, 3, 7, 9, 4, 6, 7, 89, 'are', 'we']
```

In [13]:
```
a=[1,2,3,5,6,4,3,6,3,7,9]
b=a.index(5)
print(b)
```

```
3
```

In [15]:
```
a=[1,2,3,5,6]
a.insert(3,4)
print(a)
```

```
[1, 2, 3, 4, 5, 6]
```

In [17]:
```
a=[1,2,3,5,6]
a.pop(3)
print(a)
```

```
[1, 2, 3, 6]
```

In [18]:
```
a=[1, 2, 3, 5, 6, 4, 3, 6, 3, 7, 9, 4, 6, 7, 89, 'are', 'we']
a.remove("we")
print(a)
```

```
[1, 2, 3, 5, 6, 4, 3, 6, 3, 7, 9, 4, 6, 7, 89, 'are']
```

In [20]:
```
a=[1, 2, 3, 5, 6, 4, 3, 6, 3, 7, 9, 4, 6, 7, 89, 'are', 'we']
a.reverse()
print(a)
```

```
['we', 'are', 89, 7, 6, 4, 9, 7, 3, 6, 3, 4, 6, 5, 3, 2, 1]
```

In [25]:
```
a=[1, 2, 3, 5, 6, 4, 3, 6, 3, 7, 9, 4, 6, 7, 89]
a.sort()
print(a)
```

```
[1, 2, 3, 3, 3, 4, 4, 5, 6, 6, 6, 7, 7, 9, 89]
```

In [26]:
```
t=("we",2,"non",34,67)
t1=t.count(2)
print(t1)
```

```
1
```

In [27]:
```
t=("we",2,"non",34,67)
t1=t.index(34)
print(t1)
```

```
3
```

In [28]:
```
t1=("we",2,"non",34,67)
t2=(2,67,45,"we")
t3=t1+t2
print(t3)
```

```
('we', 2, 'non', 34, 67, 2, 67, 45, 'we')
```

In [30]:
```
t1=("we",2,"non",34,67)
l=list(t1)
l.append("are")
t=tuple(l)
print(t)
```

```
('we', 2, 'non', 34, 67, 'are')
```

In [36]:
```
a=[1, 2, 3, 5, 6, 4, 3, 6, 3, 7, 9, 4, 6, 7, 89, 'are', 'we']
print(a[3:7])
```

```
[5, 6, 4, 3]
```

In [35]:
```
a=["we","are","hate","again","life"]
print(a[1:4])
```

```
['are', 'hate', 'again']
```

In [37]:
```
a=["we","are","hate","again","life"]
print(a[1:])
```

```
['are', 'hate', 'again', 'life']
```

In [41]:
```
set1={"i","am","life","reach"}
set1.add(1)
print(set1)
```

```
{1, 'reach', 'i', 'am', 'life'}
```

In [42]:
```
set1={"i","am","life","reach"}
set1.clear()
print(set1)
```

```
set()
```

In [45]:
```
set1={"i","am","life","reach"}
set2={2,4,"i","life",4}
set1.intersection_update(set2)
print(set1)
```

```
{'life', 'i'}
```

In [47]:
```
set1={"i","am","life","reach"}
set2={2,4,"i","life",4}
set1.symmetric_difference_update(set2)
print(set1)
```

```
{2, 'reach', 4, 'am'}
```

In [49]:
```
set1={"i","am","life","reach"}
set2={2,4,"i","life",4}
set3=set1.union(set2)
print(set3)
```

```
{2, 'reach', 4, 'i', 'am', 'life'}
```

In [51]:
```
d={"day1":3,"day2":4,"day3":5,"day4":6,"day5":7}
d.get("day3")
```

Out[51]:
```
5
```

In [52]:
```
d={"day1":3,"day2":4,"day3":5,"day4":6,"day5":7}
d1=d.items()
print(d1)
```

```
dict_items([('day1', 3), ('day2', 4), ('day3', 5), ('day4', 6), ('day5', 7)])
```

In [53]:
```
d={"day1":3,"day2":4,"day3":5,"day4":6,"day5":7}
d1=d.keys()
print(d1)
```

```
dict_keys(['day1', 'day2', 'day3', 'day4', 'day5'])
```

In [55]:
```
d={"day1":3,"day2":4,"day3":5,"day4":6,"day5":7}
d1=d.values()
print(d1)
```

```
dict_values([3, 4, 5, 6, 7])
```

In [58]:
```
d={"day1":3,"day2":4,"day3":5,"day4":6,"day5":7}
d1=d.pop("day1")
print(d1)
```

```
3
```

In [2]:
```
d={"day1":3,"day2":4,"day3":5,"day4":6,"day5":7}
d.update("day1":4)
print(d)
```

```
  Cell In[2], line 2
    d.update("day1":4)
                   ^
SyntaxError: invalid syntax
```

In [2]:
```
mark=int(input("Enter the mark:"))
if(mark>80):
    print("A-Grade")
elif(mark>60 and mark<80):
    print("B-Grade")
elif(mark>50 and mark<60):
    print("C-Grade")
elif(mark>45 and mark<50):
    print("D-Grade")
elif(mark>25 and mark<45):
    print("E-Grade")
else:
    print("Fail")
```

```
Enter the mark:69
B-Grade
```

In [6]:
```
n1=int(input("total number of class held:"))
n=int(input("How many class did you attened:"))
percentage=(n/n1)*100
if(percentage>=75):
    print("Are you eligible to attend the exam")
else:
    print("You are not eligible to attend the exam")
```

```
total number of class held:90
How many class did you attened:60
You are not eligible to attend the exam
```

In [13]:
```
n=int(input("Enter the number:"))
for i in range(1,n+1):
    if(i%2==0):
        print(i)
```

```
Enter the number:10
2
4
6
8
10
```

In [18]:
```
a=("Ranjani","Ramesh","Kavitha","Gobika")
for i in a:
    print(i)
    if(i=="Kavitha"):
        break
```

```
Ranjani
Ramesh
Kavitha
```

In [19]:
```
a=("Ranjani","Ramesh","Kavitha","Gobika")
for i in a:
    print(i)
    if(i=="Kavitha"):
        continue
```

```
Ranjani
Ramesh
Kavitha
Gobika
```

In [26]:
```
n=int(input("Enter the number:"))
for i in range(0,n+1):
    if(i==5):
```

```
        break
    print(i)
```

```
Enter the number:10
0
1
2
3
4
```

In [28]:
```
n=int(input("Enter the number:"))
for i in range(0,n+1):
    if(i==5):
        continue
    print(i)
```

```
Enter the number:6
0
1
2
3
4
6
```

In [ ]:

In [ ]: