

In [1]:

```
#quest1
list=[2,3,6]
s=1
j=len(list)
for i in range(0,j):
    s=s*list[i]
print(s)
```

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In [2]:

```
#quest2
list=[(2, 5), (1, 2), (4, 4), (2, 3), (2, 1)] # i still don't know how to make the user enter a list of tuples
import operator
list.sort(key=operator.itemgetter(1))

print(list)
```

[(2, 1), (1, 2), (2, 3), (4, 4), (2, 5)]

In [3]:

```
#quest3
d1 = {'a': 100, 'b': 200, 'c':300}
d2 = {'a': 300, 'b': 200, 'd':400}
d3=dict(d1)
d3.update(d2)

for i, j in d1.items():

    for x, y in d2.items():

        if i == x:

            d3[i]=(j+y)

print(d3)
```

{'a': 400, 'b': 400, 'c': 300, 'd': 400}

In [4]:

```
#quest4
n=int(input("give us a number"))
dt={}
for i in range(1,n+1):
    dt[i]=i*i

print(dt)
```

give us a number8

{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}

In []:

```
#quest5
#quest5
import operator
list= [('item1', '12.20'), ('item2', '15.10'), ('item3', '24.5')]
print( sorted(list, key=lambda x: float(x[1]), reverse=True))
```