

In [1]:

```
1 # 1
2
3 def func(a,b,c):
4     sum=0
5     for i in range(a,b+1):
6
7         if i%c==0 :
8             sum+=i
9     return sum
10
11 print(func(1,10,2))
```

30

In [11]:

```
1 # 2
2
3 def func(exp):
4     l=exp.split(" ")
5     k=[]
6     for i in range(len(l)-1):
7         if l[i]==">":
8             k.append(int(l[i-1])>int(l[i+1]))
9         if l[i]=="<":
10            k.append(int(l[i-1])<int(l[i+1]))
11
12     return all(k)
13 print(func("1 < 2 < 6 < 9 > 3"))
14
```

True

In [12]:

```
1 # 3
2
3 def func(s,sy):
4
5     for i in s:
6         if i.lower() in "aeiou":
7             s=s.replace(i,sy)
8     return s
9
10 print(func("the aardvark","#"))
```

th# ##rdv#rk

In [17]:

```
1 # 4
2
3 def fac(n):
4
5     if n==1 or n==0:
6         return 1
7     else:
8         return n*fac(n-1)
9
10 print(fac(10))
```

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In [18]:

```
1 # 5
2
3
4 def hamming(a,b):
5     c=0
6     for i in range(len(a)):
7         if a[i]!=b[i]:
8             c+=1
9     return c
10
11
12 print(hamming("abcbba","abcbda"))
```

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