



""loops- repeating

for while

while -

1-10

#program to count even and odd numbers out of the given numbers

```
n = int(input("enter how many numbers you want to enter"))
```

```
count=1 #(loop variable)
```

```
even, odd=0,0
```

```
while count<=n:
```

```
    num = int(input("enter the number"))
```

```
    if num%2==0:
```

```
        even =even +1
```

```
    else:
```

```
        odd +=1
```

```
    count +=1
```

```
print("total odd num",odd)
```

```
+print("total even no.",even)
print("bye")
```

#H.W.

#program to count even and odd numbers entered by the user
#and terminate the loop when user enters zero

#program to find the greatest of n numbers

```
n=int(input("enter how many no."))
```

```
i=1
```

```
max= 0
```

```
while i<=n:
```

```
    num= int(input("enter the num"))
```

```
    if num >max:
```

```
        max =num
```

```
    i = i+1
```

```
print(max)
```

break and continue statements

break statement stops the loop and jumps over to the statement after the loop

continue statement skips the rest of the loop and causes the next iteration/round
of the loop to take place

e.g.

```
i=1
```

```
while i<11:
```

```
    if i %3==0:
```

```
        break
```

```
    else:
```

```
        print(i)
```

```
i=i+1
```

```
else:
```

```
    print("bye")
```

loop else statement- else statement is executed ewhen the loop terminates normally
without breaking in between

```
'''
```

```
a=8
```

```
while a>0:
```

```
    print("done")
```

```
    a=a-3
```

```
    if a==6:
```

```
        break
```

```
else:
```

```
    print("not done")
```

```
'''
```

1. n- how many numbers

2. loop- 1-n

3. num- input of any no.

4. if num is even- increase the counting of even by one

5. else - increase the counting of odd by one

6. odd=0, even=0

7. total even and odd counting

```
'''
```