*#conditional statement*

*#1. if*

a=10

if a==10:

print("the value of a is 10")

*#conditional statement*

*#1. if.....else*

a=100

if a==10:

print("the value of a is 10")

else:

print("others")

*#conditional statement*

*#3. if.....elif...else*

a=100

if a==10:

print("the value of a is 10")

elif a==20:

print("the value of a is 20")

elif a==30:

print("the value of a is 30")

else:

print("others")

*#conditional statement*

*#3. Nested if*

a=30

if a<50:

print(1)

if a>10:

print(2)

else:

print(3)

else:

print(4)

*#1.a string is a palindrome are not*

s="madam"

r=s[::-1]

if s==r:

print(s,"is a palindrome")

else:

print(s,"is a palindrome" )

*#2 between the two numbers*

a=30

b=40

if a>b:

print(a," is greater than ",b)

elif a==b:

print(a,"is equal",b)

else:

print(b," is greater than",a)

*#Range function*

**

print(range(10))

print(list(range(10)))

print(list(range(1,10)))

print(list(range(1,10,2)))

print(list(range(10,1,-1)))

*#loop*

*#while*

c=0 *#initiallization*

while c<10: *#condition*

print(c)

c=c+1 *#incrementation*

output 0

1

2

3

4

5

6

7

8

9

*#loop*

*#while*

c=0 *#initiallization*

while c<10: *#condition*

print(c,end=" ")

c=c+1 *#incrementation*

*#loop*

*#while*

c=10 *#initiallization*

while c>=10: *#condition*

print(c,end=" ")

c=c+1 *#incrementation*

*#3 for loop*

s="good morning"

for i in s:

print(i)

*#3 for loop*s="good morning" *#i is a cursor variable*for i in s:  
 print(s)

*#loop control statement*

*#break*s="good morning"  
for i in s:  
 if i=="o":  
 break  
print(i)

*#loop control statement  
#continue*s="Good morning"  
for i in s:  
 if i=="o":  
 continue  
print(i)

*#loop control statement  
#pass*s="Good morning"  
for i in s:  
 if i=="o":  
 pass  
 print(i)

Table of 10 for using for loop

a=10  
r=range(1,11)  
print("table of",a)  
for i in r:  
 print(a,"\*",i,"=",a\*i)

*#find a number is odd or even  
# from 1 to 50 which is divisible  
#i have a number 153 seggrate that individual*

*#A is a 3 digit number is a armstrong number are not  
#from 100 to 999 how many armstrong numbers  
#from 1 to 30 which is even and which is odd*