

```
# flowcontrol
# if else
```

```
age = 17
if age <18: #true
    print("unauthorized") #intendation
```

```
→ unauthorized
```

```
age = 17
if age >= 18: #false
    print("Authorized")
    print("hi")
    print("Hello")
```

```
age=21
if age >= 18: #false
    print("Authorized")
    print("hi!!")
    print("Hello")
```

```
→ Authorized
hi!!
Hello
```

```
age = int(input("Enter your age:")) # checking by using if
```

```
if age >=18: #false
    print("authorized")
if age < 18: #true
    print("unauthorized")
```

```
→ Enter your age: 2
unauthorized
```

```
x = int (input("Enter the value of x:"))
y = int (input("Enter the value of y:"))
if x > y:
    print("x is greater than y")
if y > x:
    print("y is greater than x")
if y == x:
    print("they are equals")
```

```
→ Enter the value of x: 8
Enter the value of y: 7
x is greater than y
```

```
age = int(input("Enter your age:")) #using if else
```

```
if age >=18: #false
    print("authorized")
else:
    print("unauthorized")
```

```
→ Enter your age: 45
authorized
```

```
x = int (input("Enter the value of x:")) #using if, elif (python ma else if ko satta elif use hunchha)
y = int (input("Enter the value of y:"))
if x > y:
    print("x is greater than y")
elif y > x:
    print("y is greater than x")
elif y == x:
    print("they are equals")
```

```
→ Enter the value of x: 6
Enter the value of y: 6
```

they are equals

```
x = int (input("Enter the value of x:")) #using if, elif (python ma else if ko satta elif use hunchha)
y = int (input("Enter the value of y:"))
if x > y:
    print("x is greater than y")
elif y > x:
    print("y is greater than x")
else:
    print("they are equals")
```

↩ Enter the value of x: 6  
Enter the value of y: 6  
they are equals

```
#username admin ra password admin123 vayo bahne chai login garne , navaye nagarne
#username = "admin"
#password = "admin123"
```

```
username= input("Enter the value of username:")
password= input("Enter the value of password:")
if username=="(admin)" and password=="(admin123)":
    print("sucessfully login.")
else:
    print("can't login.")
```

↩ Enter the value of username: admin  
Enter the value of password: admin123  
sucessfully login.

```
# ki ta username ra password melnu paryo or secret
#username = "admin"
#password = "admin123"
#secret= "secretkey123"
```

```
username= input("Enter the value of username:")
password= input("Enter the value of password:")
secret =input("Enter the value of secretkey:")
if username=="(admin)" and password=="(admin123)":
    print("sucessfully login.")
```

```
elif secret=="(secretkey123)":
    print("login sucessfull:")
```

```
else:
    print("can't login.")
```

↩ Enter the value of username: admin  
Enter the value of password: admin123  
Enter the value of secretkey: 234  
sucessfully login.

```
#next method
#username = "admin"
#password = "admin123"
#secret= "secretkey123"
```

```
username= input("Enter the value of username:")
password= input("Enter the value of password:")
secret =input("Enter the value of secretkey:")
if (username=="(admin)" and password=="(admin123)") or (secret=="secretkey123"):
    print("sucessfully login.")
else:
    print("can't login.")
```

↩ Enter the value of username: garima  
Enter the value of password: gar  
Enter the value of secretkey: secretkey123  
sucessfully login.

```
#username ra password correct hanesi secretkey magnu vayenaa
```

```

username= input("Enter the value of username:")
password= input("Enter the value of password:")

if username=="admin" and password=="admin123":
    print("sucessfully login.")
else:
    secret=input("Enter secret")
    if secret == "secretkey123":
        print("sucessfully login")
    else:
        print("can't login.")

```

```

Enter the value of username: gg
Enter the value of password: admin124
Enter secret secret123
can't login.

```

```
#Age 1-12 __ child
```

```

age= int(input("Enter the value of age:"))
if age>=1 and age<=12:
    print("child")

elif age>=13 and age<=17:
    print("teenageer")

elif age>=18 and age<=35:
    print("young adult")

elif age>=36 and age<=45:
    print("middle aged")

else:
    print("senior")

```

```

Enter the value of age: 67
senior

```

```

age= int(input("Enter the value of age:"))
if 1 >=age<=12: ### yesto ni melchhaa
    print("child")

elif age>=13 and age<=17:
    print("teenageer")

elif age>=18 and age<=35:
    print("young adult")

elif age>=36 and age<=45:
    print("middle aged")

else:
    print("senior")

```

```

Enter the value of age: 34
young adult

```

```

x=[1,2,3,4,5]
print(x[0],x[1],x[2],x[3],x[4])

```

```
1 2 3 4 5
```

```

x=[1,2,3,4,5]
for i in x: #for loop
    print(i)

```

```

1
2
3
4
5

```

```
x=[1,2,3,4,5]
sum=0
for i in x: #for loop

    sum=sum+i
print(sum)
```

↔ 15

```
x=[1,2,3,4,5]
mul=1
for i in x: #for loop

    mul=mul*i
print(mul)
```

↔ 120

```
x=[1,2,3,4,5,6]
square =[]
#output =[1,4,9,16,25,36]

for i in x:
    square.append(i**2)
    print(square)
```

↔ 1  
4  
9  
16  
25  
36

```
# list mai square garne
x=[1,2,3,4,5,6]
square=[]
```