

```
# 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=[]
```