

Conditional statements

if

```
In [2]: age=20
        if age>=18:
            print('Eligible to vote')
```

Eligible to vote

```
In [3]: age=19
        if age>18: print('Eligible to work')
```

Eligible to work

if else

```
In [6]: age=10
        if age<=12:
            print('Travel for free')
        else:
            print('Pay for ticket')
```

Travel for free

```
In [7]: age=20
        if age<=12:
            print('Travel for free')
        else:
            print('Pay for ticket')
```

Pay for ticket

if elif else

```
In [8]: age = 25

        if age <= 12:
            print("Child.")
        elif age <= 19:
            print("Teenager.")
        elif age <= 35:
            print("Young adult.")
        else:
            print("Adult.")
```

Young adult.

```
In [9]: age = 10

        if age <= 12:
            print("Child.")
```

```
elif age <= 19:
    print("Teenager.")
elif age <= 35:
    print("Young adult.")
else:
    print("Adult.")
```

Child.

```
In [10]: age = 18

if age <= 12:
    print("Child.")
elif age <= 19:
    print("Teenager.")
elif age <= 35:
    print("Young adult.")
else:
    print("Adult.")
```

Teenager.

```
In [11]: age = 36

if age <= 12:
    print("Child.")
elif age <= 19:
    print("Teenager.")
elif age <= 35:
    print("Young adult.")
else:
    print("Adult.")
```

Adult.

nested if

```
In [12]: age = 70
is_member = True

if age >= 60:
    if is_member:
        print("30% senior discount!")
    else:
        print("20% senior discount.")
else:
    print("Not eligible for a senior discount.")
```

30% senior discount!

```
In [13]: age = 50
is_member = True

if age >= 60:
    if is_member:
        print("30% senior discount!")
    else:
        print("20% senior discount.")
```

```
else:
    print("Not eligible for a senior discount.")
```

Not eligible for a senior discount.

Ternary conditional statement

```
In [14]: # Assign a value based on a condition
age = 20
s = "Adult" if age >= 18 else "Minor"

print(s)
```

Adult

```
In [15]: # Assign a value based on a condition
age = 10
s = "Adult" if age >= 18 else "Minor"

print(s)
```

Minor

Match-case statement

```
In [16]: number = 2

match number:
    case 1:
        print("One")
    case 2 | 3:
        print("Two or Three")
    case _:
        print("Other number")
```

Two or Three

```
In [17]: number = 4

match number:
    case 1:
        print("One")
    case 2 | 3:
        print("Two or Three")
    case _:
        print("Other number")
```

Other number

```
In [18]: number = 1

match number:
    case 1:
        print("One")
    case 2 | 3:
        print("Two or Three")
    case _:
        print("Other number")
```

One

In []: