

input : Takes input from the user

```
age = input("please enter your age: ")
```

when we take input from user by-default it take string value

```
age = int(input("please enter your age:"))
```

```
print(type(age))
```

```
name = input("please enter your name: ")
```

```
print(type(name))
```

A conditional statement is used to perform different actions depending on whether a given condition is True or False.

if-else is a decision-making statement in Python that lets your program choose between two options. It checks a condition, and based on whether the condition is True or False

if statment:

```
age = int(input("enter your age:"))
```

```
if age>=18:
```

```
    print("you are elgible for license").
```

if-else statement:

```
age = int(input("enter your age:"))
```

```
if age>=18:
```

```
    print("you are elgible for license")
```

```
else:
```

```
    print("you are not elgible")
```

elif - if:

eg.1

```
age = int(input("please enter your number:"))
```

```
if age>=18:
```

```
    print("you are eligible")
```

```
elif age>15:
```

```
    print("you are eligible electric bikes")
```

```
else:
```

```
    print("not eligible")
```

eg-2

```
marks = int(input("Enter your marks: "))
```

```
if marks >= 90:
```

```
    print("Grade A")
```

```
elif marks >= 75:
```

```
    print("Grade B")
```

```
elif marks >= 60:
```

```
    print("Grade C")
```

```
elif marks >= 40:
```

```
    print("Grade D")
```

```
else:
```

```
    print("Fail")
```

nested if-else:

```
marks = int(input("please enter your number: "))  
income = int(input("please enter your income: "))
```

```
if marks >= 80:
```

```
    if income < 50000:
```

```
        print("Eligible for full scholarship.")
```

```
    else:
```

```
        print("Eligible for partial scholarship.")
```

```
else:
```

```
    print("Not eligible for scholarship.")
```