



In Python, you can use a shorthand if-else notation called a ternary conditional operator. It has the following syntax:

python

Copy code

```
result = <value_if_true> if <condition> else <value_if_false>
```

Here's an example:

python

Copy code

```
x = 5
y = "Even" if x % 2 == 0 else "Odd"
print(y) # Output: Odd
```

In this example, if `x` is divisible by 2 (i.e., even), it will print "Even"; otherwise, it will print "Odd".

**Code:**

```
a = int(input("Enter X : \n"))
b = int(input("Enter Y : \n"))

print("y is bigger thn X") if a < b else
print("X is bigger thn B")
```

**Output:**

```
C:\Users\test\PycharmProjects\project_1\.venv\Scripts\python.exe C:\Users\test\PycharmProjects\project_1\Project_1.py
Enter a :
3
Enter b :
2
A is bigger thn B
```



## Functions and Docstrings:

Docstrings in Python are used to document functions, classes, modules, or methods. They are written as a string literal that appears as the first statement in a module, function, class, or method definition.

Here's an example of a function with a docstring:

```
python Copy code

def greet(name):
    """
    This function greets the user.

    Parameters:
    name (str): The name of the user to greet.

    Returns:
    str: A greeting message.
    """
    return f"Hello, {name}!"

# Accessing the docstring
print(greet.__doc__)
```

It's good practice to include informative docstrings in your code to make it easier for others (and yourself) to understand its purpose and usage.

## Code:

```
a = 9
b = 8
c = sum((a,b)) # built in function

def function1(a,b):
```



```
print("Hello you are in function 1",
a+b)

def function2(a,b):
    """ This is a function which will
    calculate avergae of two number
    this function doesn't work for these
    numbers"""

    average = (a+b)/2
    #print(average)
    return average

v = function2(5,7)
print(v)
print(function2.__doc__)
```

#### **Output:**

```
C:\Users\test\PycharmProjects\project_1\.venv\Scripts\python.exe C:\Users\test\PycharmProjects\project_1\1.py
6.0
  This is a function which will calculate avergae of two number
    this function doesn't work for these numbers

Process finished with exit code 0
```