IF, IF- ELSE, NESTED IF

```
if test expression:

    statement(s)
```
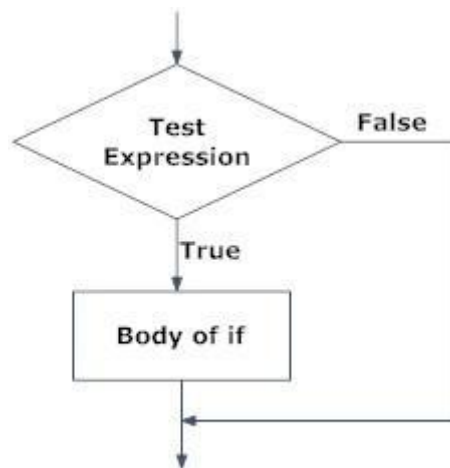

Fig: Operation of if statement

```
num = 3
if num > 0:
    print(num, "is a positive number.")
print("This is always printed.")
```

```
num = -1
if num > 0:
    print(num, "is a positive number.")
print("This is also always printed.")
```

```
if test expression:

    Body of if

else:

    Body of else
```
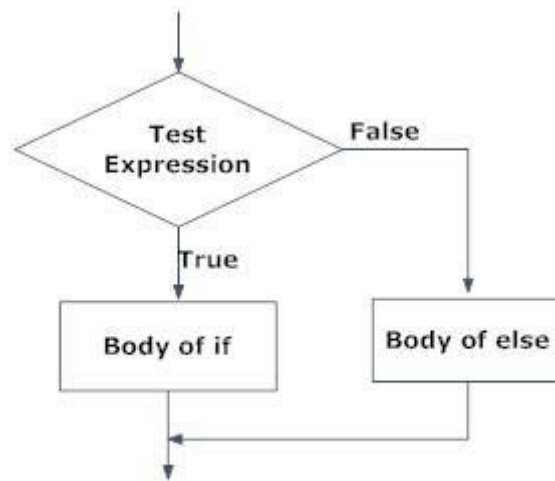
Fig: Operation of if...else statement

```python
num = 3
if num >= 0:
    print("Positive or Zero")
else:
    print("Negative number")
```

```
if test expression:

    Body of if

elif test expression:

    Body of elif

else:

    Body of else
```
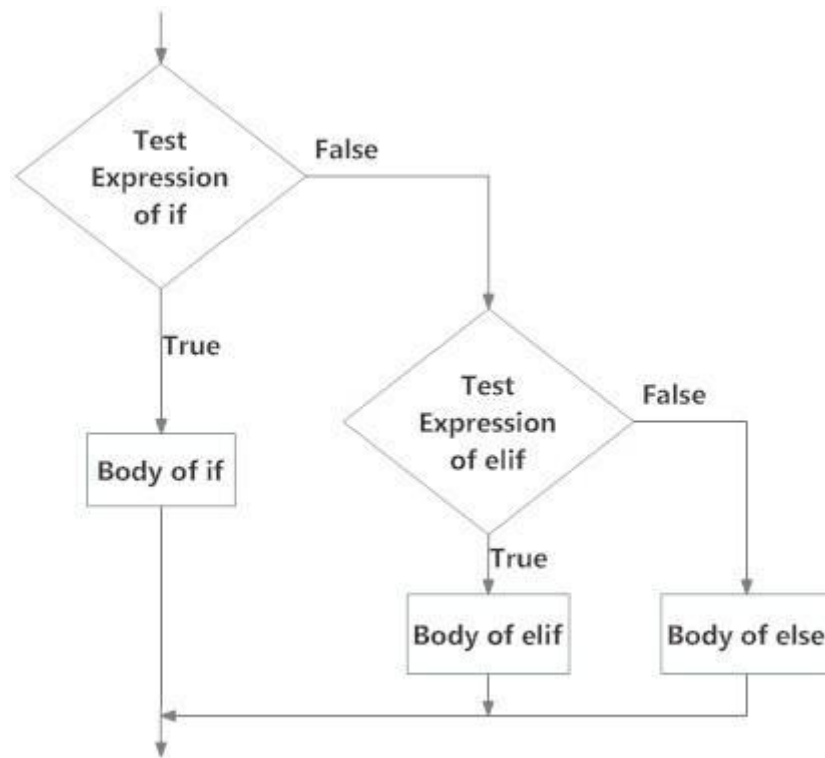
Fig: Operation of if...elif...else statement

```python
num = 3.4
if num > 0:
    print("Positive number")
elif num == 0:
    print("Zero")
else:
    print("Negative number")
```

```python
num = float(input("Enter a number: "))
if num >= 0:
    if num == 0:
        print("Zero")
    else:
        print("Positive number")
else:
    print("Negative number")
```