Introduction to PYTHON

Module 1 / Lecture-6
if-elif-else

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Syntax of **if**

if test_expression **:**

statement(s)

```python
a = int(input("enter a number"))
if a>0:
    print("a is a positive number")
print("Always executed")
```

Syntax of **if...else**

if test_expression**:**

    statement(s)

else:

    statement(s)

Syntax of **if...elif...else**

if test_expression **:**

    statement(s)

elif test_expression **:**

    statement(s)

else :

    statement(s)

Nested if statements

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

Python Shorthandf If Else

- If you have only one statement to execute, one for if, and one for else, you can put it all on the same line:

```
a = 2
b = 330
print("A") if a > b else print("B")
```

```
a = 330
b = 330
print("A") if a > b else print("=") if a == b else print("B")
```