



SE Bootcamp

Hyperiondev

Recap on Basic Control Structures

Welcome

Your Lecturer for this session



Yolandi Viljoen

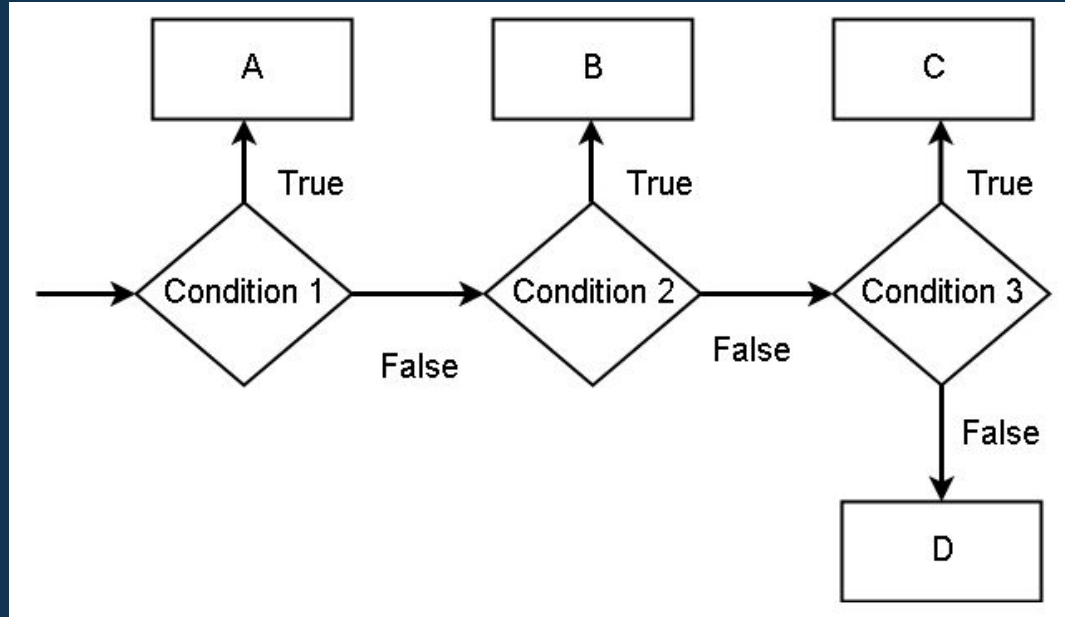
RULES AND REGULATIONS FOR LIVE LECTURES

- ❑ The use of disrespectful language is prohibited.
- ❑ Please refer all non-academic queries to support@hyperiondev.com
- ❑ You are more than welcome to ask questions, however, please keep them related to the topic being discussed.
- ❑ There is a Q/A session at the end of each session, should you wish to ask any follow-up questions.

Objectives

1. Revise how to use if, elif, and else statements to make decisions in your programs.

The structure of If-elif-Else Statements



Reference: <https://www.bing.com/images>

The syntax of if-elif-else statements

```
if condition1:  
    indented Statements  
elif condition2:  
    indented Statements  
elif condition3:  
    indented Statements  
elif condition4:  
    indented Statements  
else:  
    indented Statements
```

If-elif-else statement example

```
num = int(input("Please enter a number: "))

if (num == 0):
    print("You've entered zero")
elif (num > 5):
    print("Your number is greater than 5")
elif (num < 5 ):
    print("Your number is smaller than 5")
else:
    print("Your number is 5")
```

Things to Note

- ★ There is **no limit** to the number of elif statement one could have in an **if-else block**.
- ★ Only **one final else** statement is allowed.
- ★ Each condition is checked in **order**.
- ★ If one condition is **True**, that branch executes, and the statement ends.
- ★ Even if there are **multiple True conditions**, **only the first True branch will execute**.

Nested If Statements

```
grade = int(input("Please enter your grade: "))

if grade >= 50:

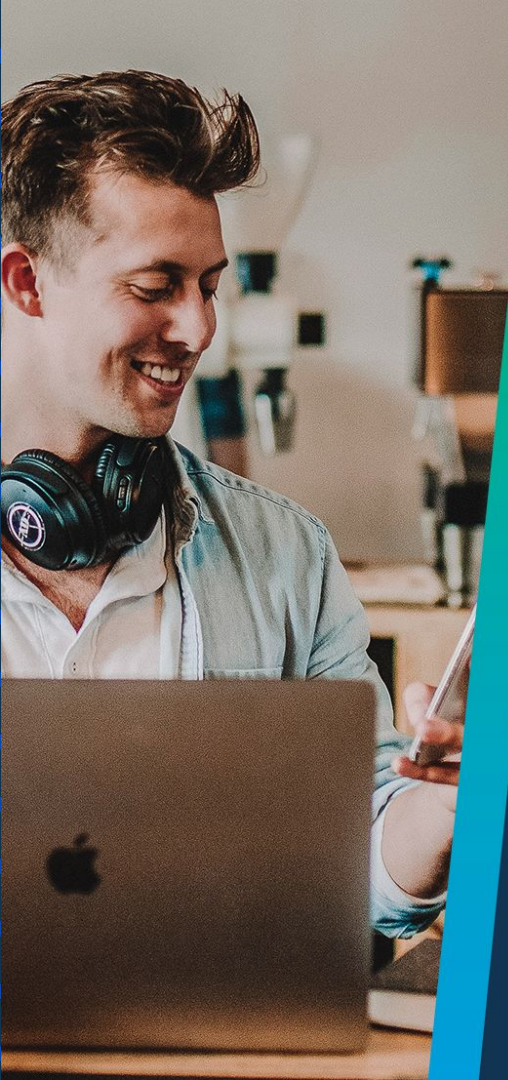
    if grade >= 80:
        print("Congratulations! You passed with a distinction!")
    else:
        print("Well done! You passed the test.")

else:
    print("Sorry, you failed the test. Keep on trying")
```

Hyperiondev

Q & A Section

Please use this time to ask any questions relating to the topic explained, should you have any



Hyperiondev

**Thank you
for joining us**