

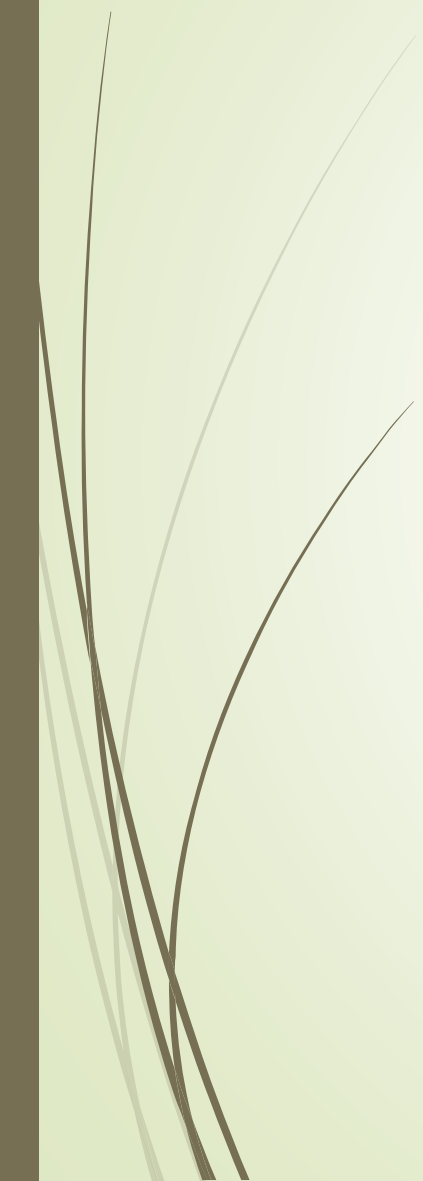


# Tutorial

CPSC 217



# Making decisions in Python (if...elif...else chain statement)



```
➤ if (condition_1) :  
    statement(s)  
elif (condition_2) :  
    statement(s)  
elif (condition_3) :  
    .  
    .  
elif (condition_n) :  
    statement(s)  
else :  
    statement(s)
```

One of them will be  
executed and others will be  
ignored.

(starts from top)

# Making decisions in Python (if...elif...else chain statement)

- WAP that will give you a Grade based on student's marks input. Use following grading system.

Marking range	Grade or message
Marks $\leq$ 100 and Marks $\geq$ 90	A
Marks $<$ 90 and Marks $\geq$ 80	B
Marks $<$ 80 and Marks $\geq$ 70	C
Marks $<$ 70 and Marks $\geq$ 60	D
Marks $<$ 60 and Marks $\geq$ 0	F
otherwise	Invalid marking

# Making decisions in Python (if...elif...else chain statement)

## ➤ Solution

```
marks = float(input("Enter a marks : "))

if (marks < 0) :
    print("Invalid marking.....")
elif (marks > 100) :
    print("Invalid marking.....")
elif (marks >= 90) :
    print("Grade: A")
elif (marks >= 80) :
    print("Grade: B")
elif (marks >= 70) :
    print("Grade: C")
elif (marks >= 60) :
    print("Grade: D")
else :
    print("Grade: F")
```



# Practice 1

- Write a program that asks for the length and width of two rectangles. The program should tell user which rectangle has the greater area, or if the areas are the same.



# My PPT slides

- You can find my created PPT slides at the following link:

<https://sites.google.com/site/samicsemist/cpsc217win16>