



# Tutorial

CPSC 217

# Assignment 01: Part 01

- ▶ Please don't forget to put sufficient comments:
  - ▶ **Header Comments:** Write basic description of the program. Also put your name and UCID in the header.
  - ▶ **Block comments:** Put comments at the top of each block of codes that is used to draw a specific object.
  - ▶ **Line comments:** It needed when a single line of code may difficult to understand. (Don't put comments at each line of coding. Its may deduct marks from the assignment due to over documentation.)

# Making decisions in Python (if... statement)

➔ **If** statement:

If (condition) :

1Tab

#Do followings when the condition is satisfied/true.

statement 1

statement 2

.

statement n

True

False

# Making decisions in Python (if... statement)

➤ Try to understand following codes:

```
num = float(input("Enter any real number : "))

if (num < 0) :
    print('The given number is negative...')


if (num > 0) :
    print('The given number is positive...')

if (num == 0) :
    print('The given number is neutral...')

if (num != 0) :
    print('The given number is nonzero...')


if (num >= 0 and num <= 100) :
    print('The given number is within 0 to 100...')

if (num < 0 or num > 100) :
    print('The given number is not within 0 to 100...')
```



# Making decisions in Python (if... statement)

- What will be the output of the previous program for the input 23?
- What will be the output of the previous program for the input 0?
- What will be the output of the previous program for the input 1234?



# Making decisions in Python (if... statement)

- WAP that will take an integer number ,and shows following outputs according to inputs.
  - When the input is 1 then the program should print "Sunday".
  - When the input is 2 then the program should print "Monday".
  - Same way for 3, 4, 5, 6 and 7, the outputs will be "Tuesday" , "Wednesday", "Thursday", "Friday" and "Saturday".
  - When the input is any number that is not within 1 to 7, then show the message "Incorrect input".



# Practice 1:

- WAP that takes two numbers, and find the maximum number among them and Show it. If they are equal then show the message "They are equal".

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

## ➔ **If else** statement:

If (condition) :

1Tab ➔

#Do followings when the condition is satisfied/true.

statement 1

statement 2

.

statement n

else :

1Tab ➔

#Do followings when the condition is dissatisfied/False.

statement 1

statement 2

.

statement n

True

False



# Try the following program

- WAP a program that will find whether an integer is even or odd.

```
num = float(input("Enter a number :"))  
if (num % 2 == 0) :  
    print("The number is even...")  
else:  
    print("The number is odd...")
```



# My PPT slides

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

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