

Property of  
GWC week 3  
Marquette  
University

# Conditional Statements



# Let's review our last class

## Variable Types

**Int:** 1,2,3

**Float:** 1.1 , 2.5 , 3.14

**String:** "Hello"

**Bool:** True or False

## Operators

**Addition:**  $4 + 5$

**Subtraction:**  $7 - 6$

**Multiplication:**  $5 * 6$

**Division:**  $20 / 2$

**Exponents:**  $3 ** 2$  is 3 to the power of 2



## Let's review our last class

- We can put a comment in code using “#” at the beginning of line.
- We can ask a question and take response from user using the input() function:

```
name = input("What's your name? ")  
print("Hello! , "+name)
```



# Let's learn something new!

How to write conditional  
statements?

Let's watch a [video](#) first!



“ *If you finish dinner then you can have dessert*

*If it's Tuesday, we have 'Girls Who Code' class, else we stay at home.*



```
set answer to ask " Is it raining? "  
if answer = " yes "  
do  
  print " Take an umbrella! "  
else  
  print " Put on a hat! "
```



program.py ▶

```
1 answer = input('Is it raining? ')
2 if answer == 'yes':
3     print('Take an umbrella!')
4 else:
5     print('Put on a hat!')
```



- Turn to your partner and create a statement and the conditions that will make that statement true or false
- Example:
  - Mom told me to do the dishes, If I do the dishes I will get desert. If I don't, then I do not get any desert.



# Another example of how we write conditional statements in python

Your Code ...

```
1 dishes = "yes"
2 nodishes = "no"
3
4 x = input("Will you do the dishes for me?")
5
6 if x == "yes":
7     print(True)
8
9 else:
10    print(False)
```

CommandLine Arguments ...

Interactive mode :  ON

Focus View:  OFF

Version : 3.6.5 ▾

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Result...

executed in 2.407 sec(s)

```
Will you do the dishes for me?no
False
|
```



# Activity

- Write a computer program that asks for a math test score which is a number between 0 and 100.

**If your score is more than 80, print a congratulation statement, otherwise print a “you can do it next time” statement.**

- **(This activity is optional for 5th and 6th grade people)**

Write a computer program that asks you to give a number as input.

**If the number is odd, print “It’s an odd number” else print “It’s an even number”.**



## Activity

- Write a computer program that asks you to give a number between 1-7 as input and print the corresponding day of the week .
  - **For example, if the number is 1, print “Monday”, if it’s 6, print “Saturday”.**



# Thanks!

Any questions?

