

## Quiz July 26<sup>th</sup>

1.) Multiple Choice. Observe the code segment below:

```
def getHandFromUser():  
    userInputString = input("Enter 1-rock, 2-paper, 3-scissor: ")  
    num = [?](userInputString)
```

What goes in the brackets with the question mark?

- A.) strToNum( userInputString)
- B.) int(userInputString)
- C.) makeNumber(userInputString)
- D.) convertStrToInt(userInputString)

2.) Which of the following will make a while loop run forever:

- A.) While True:
- B.) While "True":
- C.) While False:
- D.) While "False":

3.) Coding problem. Observe the diagram below and the scenarios:

### Diagram:

```
      --- sword  
Knight ---  
      --- arrow ( bow and arrows)  
  
      --- nunchucks  
Ninja  ---  
      --- star (Ninja stars)
```

### Scenarios:

*Scenario 1:* Knight = sword , Ninja = nunchucks → winner = Ninja

*Scenario 2:* Knight = bow and arrows , Ninja = Ninja stars → winner = Knight

Write a function that takes in 2 weapon choices and determines the winner. I'll get you started:

```
def determineWinner( knight , ninja )  
    # write code  
# example calls  
determineWinner(knight=Sword, ninja=Nunchucks) # Knight  
determineWinner(knight=Arrow, ninja=Stars) # Knight
```