

## Written Questions - Section 2

Submit one **PDF file** in response to the questions below.

2a. Provide a written response or audio narration in your video that:

- Identifies the programming language;
- Identifies the purpose of your program; and
- Explains what the video illustrates.

(Must not exceed 150 words)

In this video, we are using Python to program a order at a family BBQ. As you can see when we click start the computer greets you and ask what you would like to order through abbreviation such as (hd) for for hot dogs and (h) for hamburgers. When you chose one the code will either suggest you will still be hungry and to order more depending on the food you have chosen.

2b. Describe the incremental and iterative development process of your program, focusing on two distinct points in that process. Describe the difficulties and/or opportunities you encountered and how they were resolved or incorporated. In your description clearly indicate whether the development described was collaborative or independent. At least one of these points must refer to independent program development

(Must not exceed 200 words)

```
def mustard():  
    print "Would you like something to eat? I have either (a) hotdogs, (b)hamburgers or a full (c) buff  
    #prints food choices that they have  
    order = raw_input()# assigns order to raw_imput  
    order = order.lower() #permits only lower case letters  
    if order=="a":#assigns a to hot dog  
        print "You have chosen to order hotdogs, enjoy." # Prints the choice you have made (hot dog)
```

My first if statement declares that if you type "a" in the console then it prints "you have chosen to order hot dogs, enjoy." . One difficulty i encountered was remembering how to assign a variable to a letter. I also programed it to suggest to order more food if you have chosen to a certain food items.

2d. Capture and paste a program code segment that contains an abstraction you developed individually on your own (marked with a **RECTANGLE** in **section 3** below). This abstraction must integrate mathematical and logical concepts. Explain how your abstraction helped manage the complexity of your program.

(Must not exceed 200 word)

```
order = raw_input()# assigns order to raw_input
order = order.lower() #permits only lower case letters
if order=="a":#assigns a to hot dog
    print "You have chosen to order hotdogs, enjoy." # Prints the choice you have made (hot dog)
    eatHotdog()

if order=="b": #assigns b to hamburger
    print "You have chosen to order hamburgers, enjoy." # Prints the choice you have made (hamburger)
    eatHamburgers()

if order=="c": #Assigns c to buffet
    print "You have chosen to order the full buffet, I hope you are hungry."
    eatBuffet()
```

This abstraction helped me in my program with all of the logic concepts. As an example, here is a piece of the logic part of my programming because behind the scenes it's really assigning order to a lower case letter that represents the food you have chosen but you only see "would you like something to eat?".