**Week 2 Assignment 2**

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**Question 1:**

Now first in Question 1, I asked the user to input name, age, email and favourite number using the input function. Then I created an empty dictionary which will store the user’s information. I then checked if the email which the user entered was in valid format. If it is, I stored the user’s information in the dictionary, and displayed the information using print statement. Else I displayed a message saying that email entered is of incorrect format.

**Question 2:**

In this question, I first asked the user to input a positive integer using input function. Then I took modulus of the number the user entered with 2. If after taking modulus, the remainder results in 0, then the number is an even number, else it is an odd number.

**Question 3:**

In this Question, I first the user the temperature they want to convert and the scale that they ant to convert it to. I then created a function in which i have the temperature and the scale as the parameters. I used conditional statements to check which scale the suer entered, and then according to the scale input, I applied the formulas and displayed a message which displayed the converted temperature.

**Question 4:**

In this, I first asked the user the maximum amount of numbers they want to enter. Then I created and empty list and ran a for loop in which the user will keep on entering the numbers till the range. The i created a function in which i initialized the max and min number to the start of the list. Then i ran a for loop in which i compared the numbers and returned the max and min number. Then finally i displayed the result.

**Question 5:**

In this Question, i first created an empty list, and then ran a for loop to asl the user to enter the information of 3 students. Then I created a tuple, and then appended that tuple to the list i created earlier. Then i created an empty dictionary and assigned the name, age and grade in that dictionary. I then displayed the contents of that dictionary.

**Question 6:**

In this question, i initialized an inventory. I then asked the user if they want to add or remove. I used conditional statements and for both operations, i checked if there was enough stock to add/remove and if the stock is adequate enough. If the suer wanted to perform any other operation, i displayed error message. I updated dictionary and displayed final output