

Assignment 4

Question 1:

Assign 75 to `number_of_minutes` and convert the number of minutes to hours and minutes. In your program, you must use the variable `number_of_minutes`, module, and integer division operators.

Your output should display as:

75 minutes is 1 hour and 15 minutes.

Question 2

Write a program that takes a first name as the input, and outputs a welcome message to that name.

Ex: If the input is Mark, the output is:

Hello Mark and welcome to CS Online!

Question 3

Assign 4 values to a given number of quarters, dimes, nickels, and pennies. Those values must be asked of the user as input. I want you to write a program that takes the number of quarters, dimes, nickels, and pennies and outputs the total amount as dollars and cents. Your output must consist of two digits after the decimal point.

Ex: If the input is:

8

3

2

1

where 8 is the number of quarters, 3 is the number of dimes, 2 is the number of nickels, and 1 is the number of pennies, the output is:

Amount: \$2.41

You can assume no negative number is the input.

Question 4

Write a program using a function that takes in a Celsius degree as input, and outputs a Fahrenheit degree. For a user input Celsius value, the Fahrenheit formula is:

$$\text{Fahrenheit} = \text{Celsius} * (9/5) + 32$$

Output each floating-point value with one digit after the decimal point, which can be achieved as follows:

```
print(f'{your_value1:.1f})
```

Ex: If the input is:

78

Then the output is:

172.4

Question 5

Write a function named "number_square". The function should accept an argument and display the square of its argument.

Ex: If the input is:

5

Then the output is:

25