Assignment 2 – Variables

Learning Objective

Write a Python program that creates variables, calculates using arithmetic operators and displays variables to the user.

Assignment Description

Create variables for today's day, the current year and your age. Calculate your year of birth and print out sentences using these variables. You can code this in PyCharm. The following instructions give steps on how to code this in PyCharm.

Steps

1. In PyCharm, open your existing APP_Python project. If you do not have a project, then create a new project in PyCharm. This project can be anywhere on your computer that is convenient to access such as in your Documents folder or on your Desktop. Follow the instructions in the installation document.

2. Under the Assignments directory, create a new Python file called assignment2.py Use all lowercase letters. If you do not have an Assignments directory, then create a new directory in PyCharm in your APP_Python project. This helps keep your code organized.

3. At the top of the file, put comments in the following format and replace the name (*First* and *Last*) with your actual information:

```
# Assignment 2
# Name: First Last
# Description: (such as)
# This program creates variables, performs a simple math calculation
and prints variables.
```

4. Create a string variable to hold the name of the day (Monday, Tuesday, Wednesday, Thursday, Friday, Saturday or Sunday). You can put the value as the day on which you are working on this assignment.

5. Create an int variable to hold the current year.

6. Create an int variable to hold your current age. Use the age you turned this year or will turn in this year as the value for this variable.

7. Call the print() function to display the values of the **day** and **year** variables in a sentence in one line. You can call print() function only once for this.
   In print(), you can use commas or string concatenation with str() or a combination

of both with sep. Try different things and see what works. The goal is to match the structure of the output sentence to be exactly like below (except the values of the variables, those can be different).

```
Today is Monday and this is the year 2025!
```

8. Calculate your year of birth using the **age** variable and the **year** variable. Your year of birth will be the **current year - your age.** You can create a new int variable to hold this value for year of birth. Or you can do this calculation directly in the call to the print() function

9. Call the print() function to display the value of the **age** variable and your year of birth following the example below.

```
I am 29 years old. I was born in the year 1996.
```

You can call print() only once for this.

10. Test the program. Look at the Sample Output below.

11. Submit your **assignment2.py** file over WhatsApp.

Sample Output

(Your output will be different since it has information about you!)

```
Today is Monday and this is the year 2025!
I am 29 years old. I was born in the year 1996.
```