A black background with white text

AI-generated content may be incorrect.

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**Internship Domain : PYTHON**

**Task Week : 02**

**Instructor Name : HASSAN ALI**

**Task 1 :**

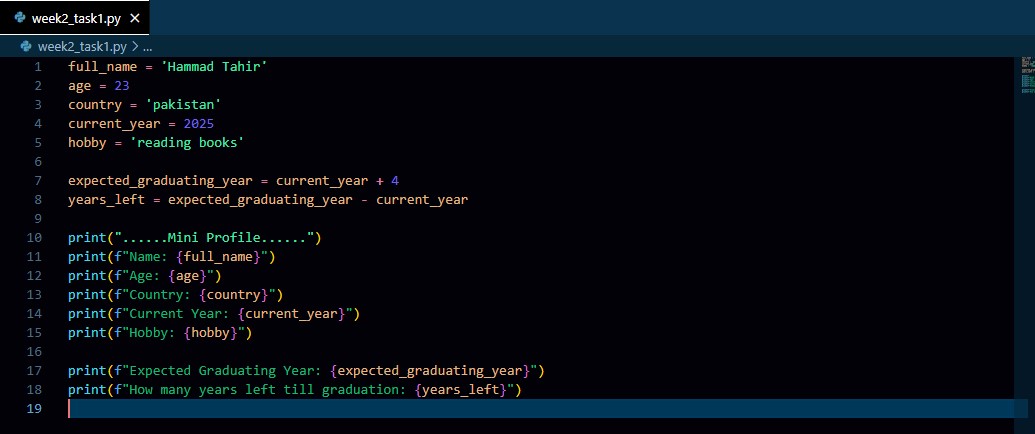
Create a mini profile for a fictional user using variables. Store the following information:

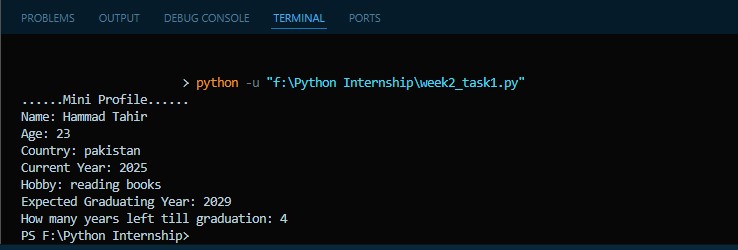
Full name , Age , Current year, Country, Hobby, Expected graduation year (calculate it from current year + 4)

Print all details in a proper sentence format.

Also print how many years are left till graduation.

**Solution :**

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**Task 2 :**

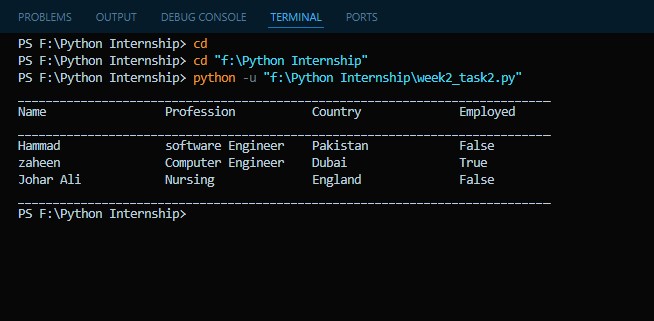
Create 3 different user profiles (using variables). For each profile, include:

Name, profession, country, is\_employed (Boolean)

Print their data in a tabular format using print() (not with external libraries).

**Solution:**

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**Task 3:**

Write a program that:

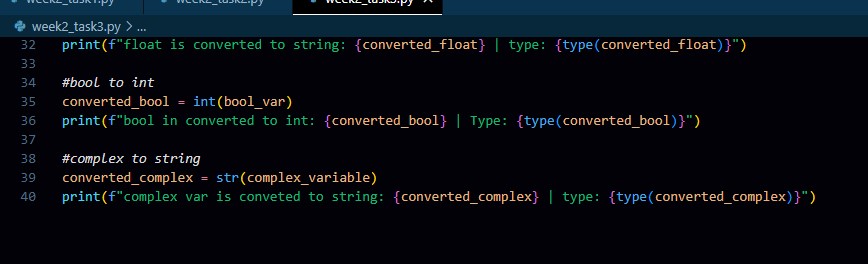
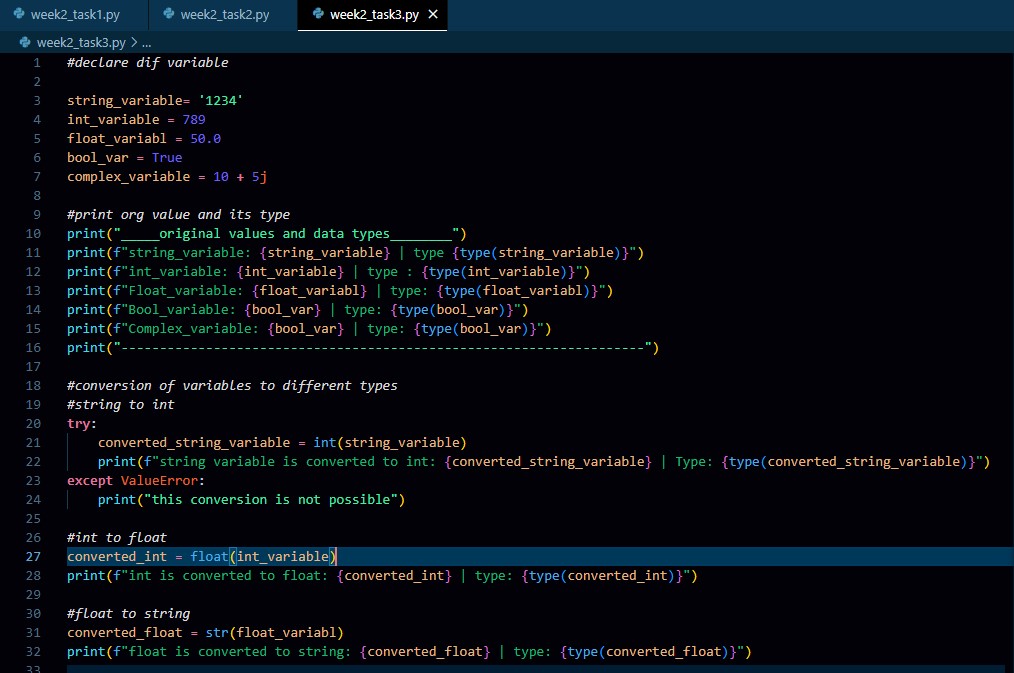
Declares five different variables , Stores a different data type in each (e.g., string, integer, float, boolean, complex)

Prints their values and data types

Then, converts each variable to a different type (where possible) and prints the new types

Note: You may not be able to convert all types — handle errors or comment why.

**Solution:**

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**Task 4:**

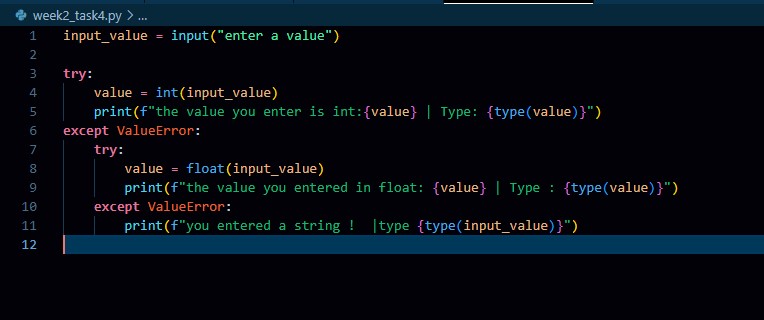
Create a data type tester:

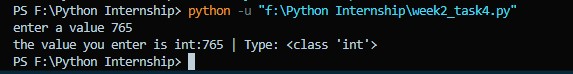
Ask the user to input any value. , Detect and print what Python guesses its type as (use type()).

Add conditions to identify if it's likely an integer, float, or string, and print a message like:

"You entered a float!"

**Solution:**

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**Task 5:**

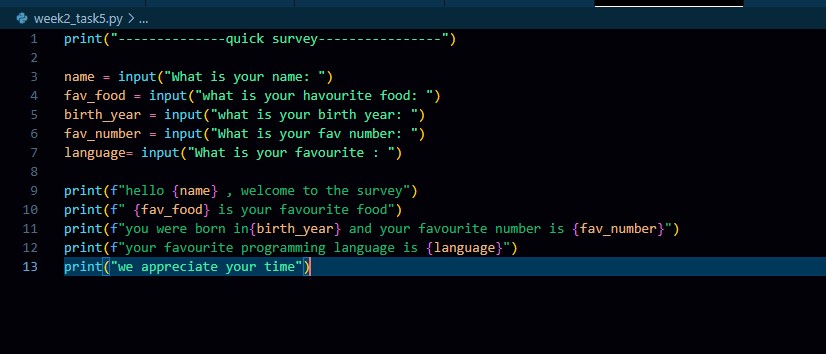
Design a command-line survey that:

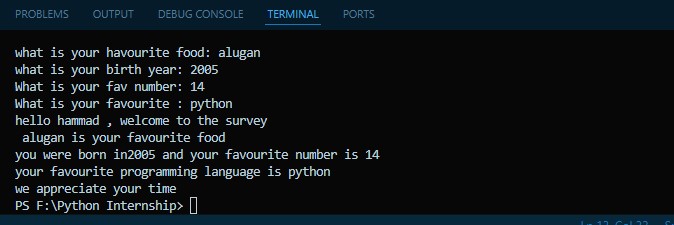
Asks the user 5 different questions (e.g., name, favorite food, birth year, favorite number, favorite language)

Then prints a summary of all responses in sentence format.

Use formatting to make the output look professional (e.g., f-strings).

**Solution:**

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**Task 6:**

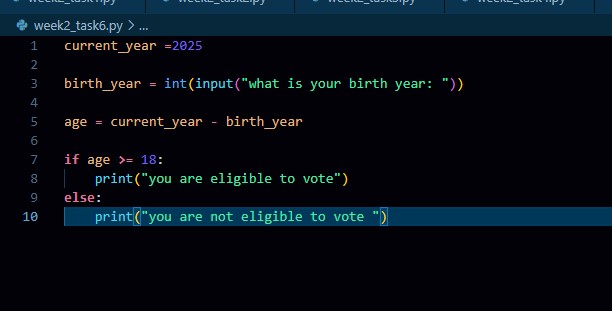
Ask the user to:

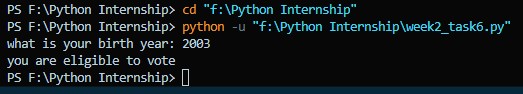
Enter their year of birth , Calculate their age (based on current year) ,Check if the user is eligible to vote (18+ years)

Display a message:

"You are eligible to vote." or "You are not eligible to vote yet."

**Solution :**

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**Task 7:**

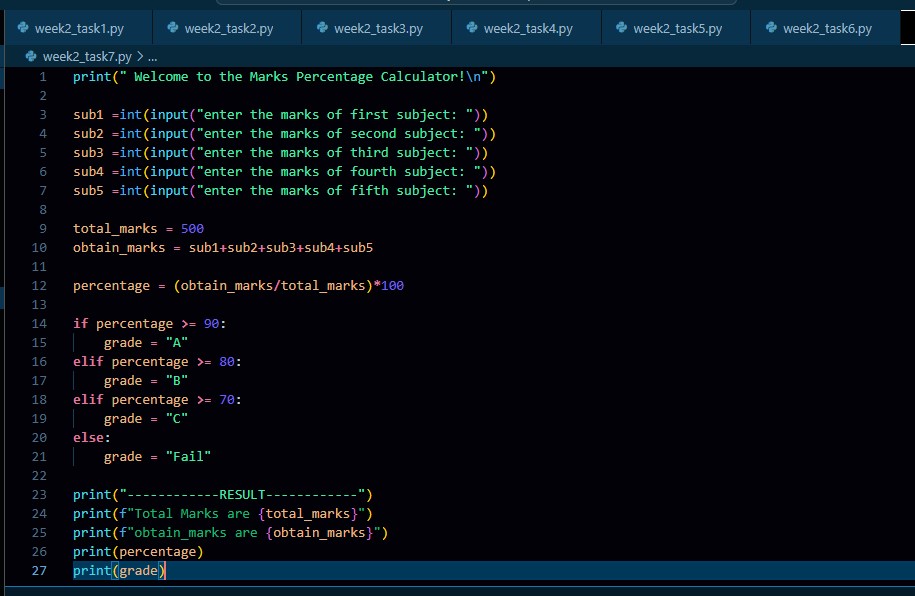
Create a marks percentage calculator:

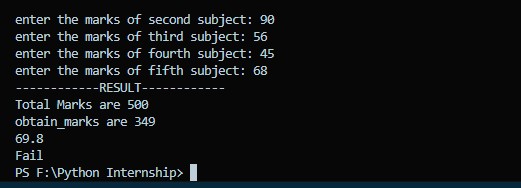
Ask user to input marks for 5 subjects (input as strings) , Convert them to integers

Calculate the total and percentage

Print percentage along with a grade: A (90+), B (80-89), C (70-79), Fail (<70)

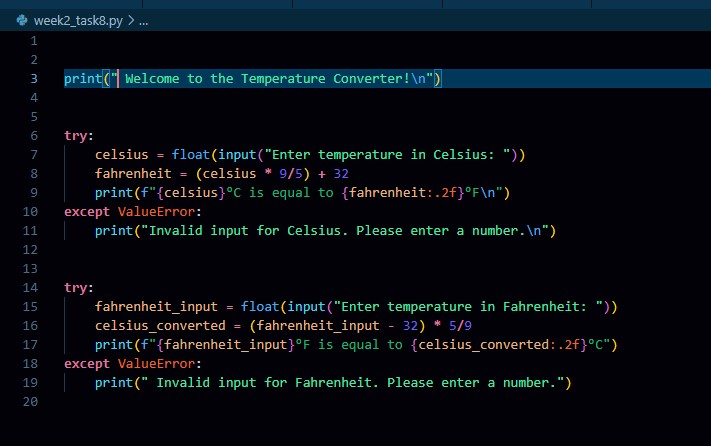
**Solution:**

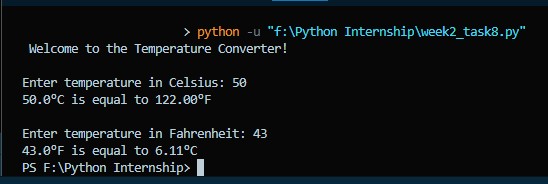
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**Task 8:**

**Solution:**

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