A black background with white text

AI-generated content may be incorrect.

**Name: Saif Ullah Awan**

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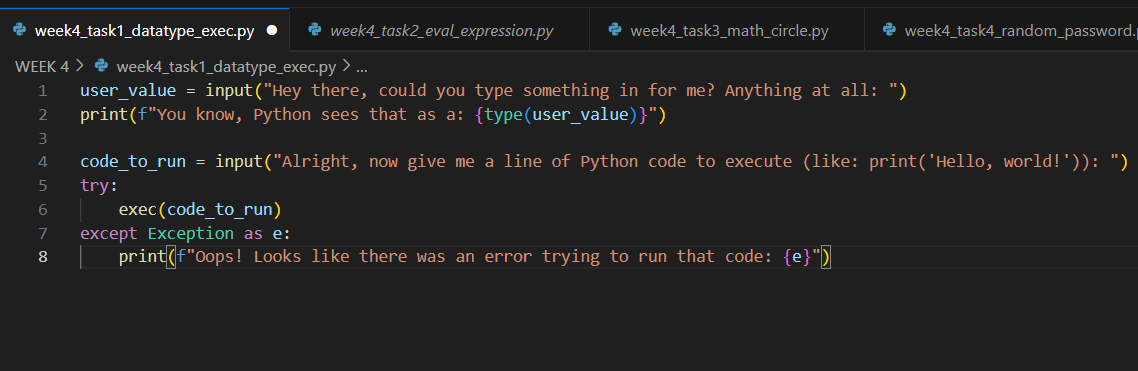
**Internship Domain : Python Development**

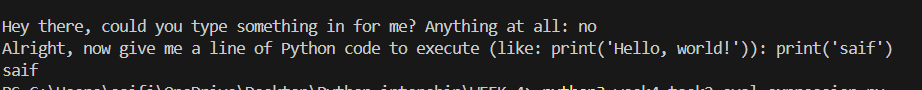
**Task Week : 4**

**Instructor Name : Hassan Ali**

**WEEK 4:**

**Task 1: Calculator with Operator Input**  
Description:  
Ask user to input any value. Use type() to check its data type. Use exec() to execute a string as Python code.

**SOLUTION:** ****

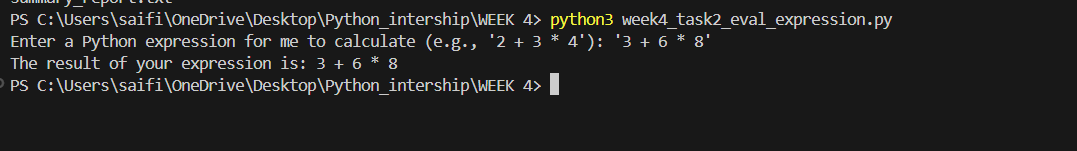
**OUTPUT:** ****

**Task 2:   
Description:**  
Ask user for a Python expression as a string (like '2 + 3 \* 4') and evaluate it using exec(). Show result.

**SOLUTION:** **A screenshot of a computer program

AI-generated content may be incorrect.**

**OUTPUT:**

****

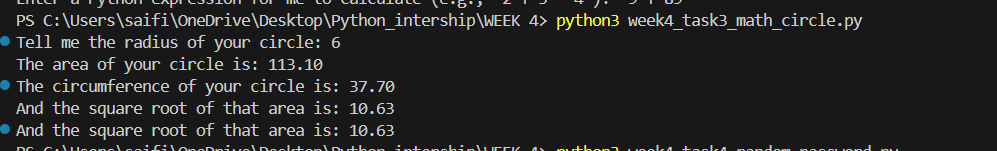
**Task 3:   
Description:**  
Use math module to take a radius input from user and calculate:

- Area of circle, circumference, and square root of area.

**SOLUTION:**

**A screenshot of a computer program

AI-generated content may be incorrect.**

**OUTPUT:** ****

**Task 4:**

**Description:**

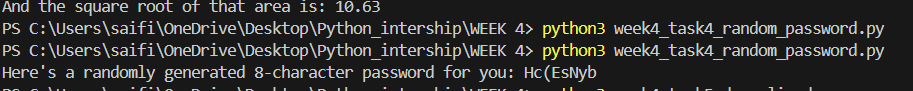
Use random module to generate a random 8-character password using letters, numbers, and symbols.

**SOLUTION:**

**A screen shot of a computer program

AI-generated content may be incorrect.**

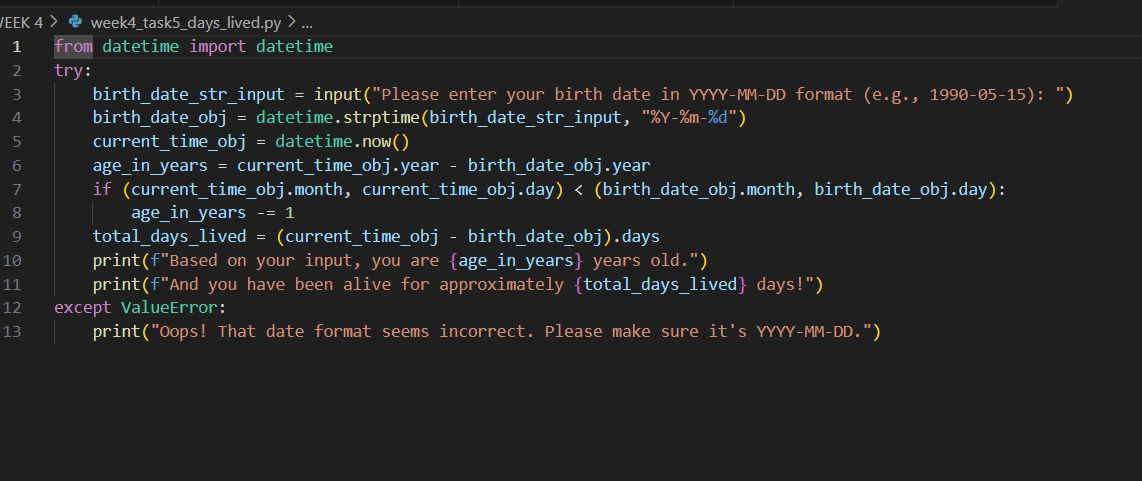
**OUTPUT:**

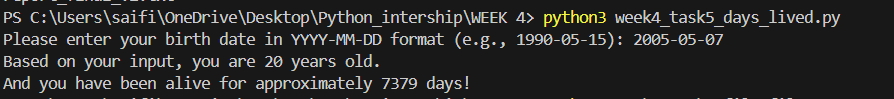
****

**Task 5:   
Description:**  
Using datetime module, ask user for their birth date and show:

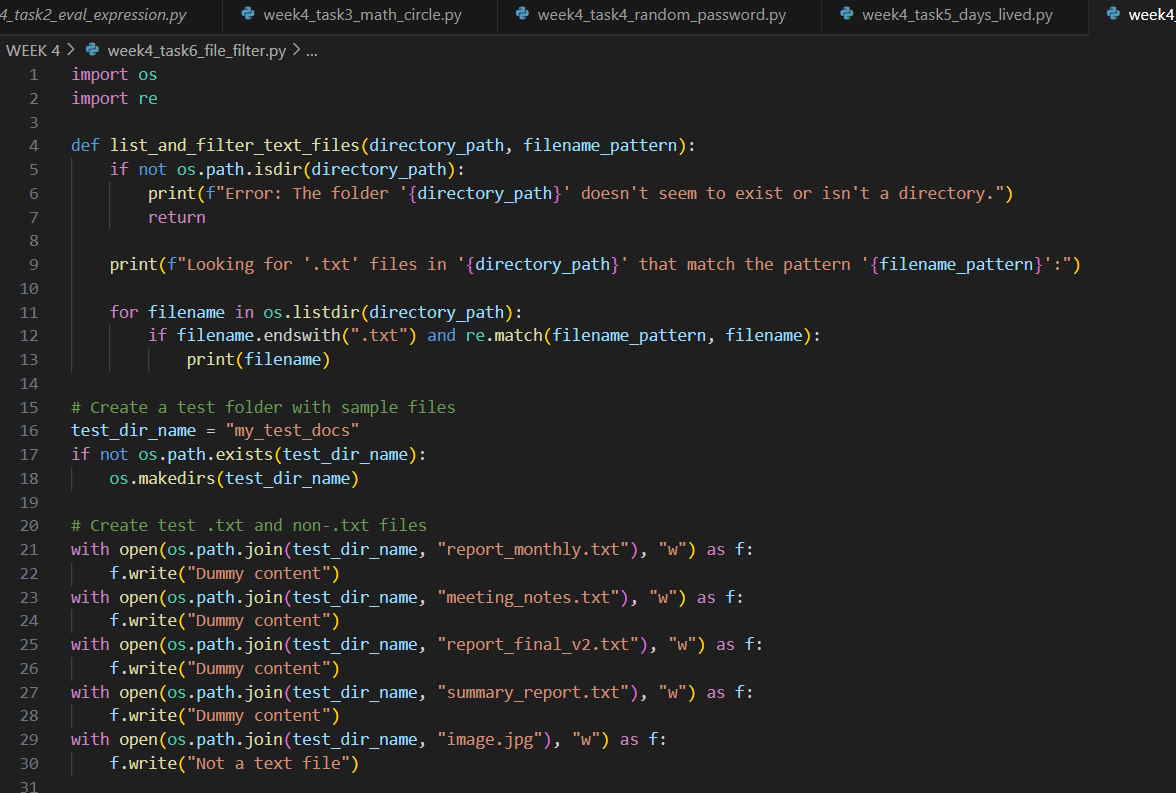
- Their age in years and number of days lived.

**SOLUTION:**

****

**OUTPUT:** ****

**Task 6:   
Description:**  
Create a script using os and re that lists all `.txt` files from a folder and filters only those that match a pattern (e.g., start with 'report').

**SOLUTION:** ****

**A screen shot of a computer program

AI-generated content may be incorrect.**

**OUTPUT:**

A computer screen with colorful text

AI-generated content may be incorrect.