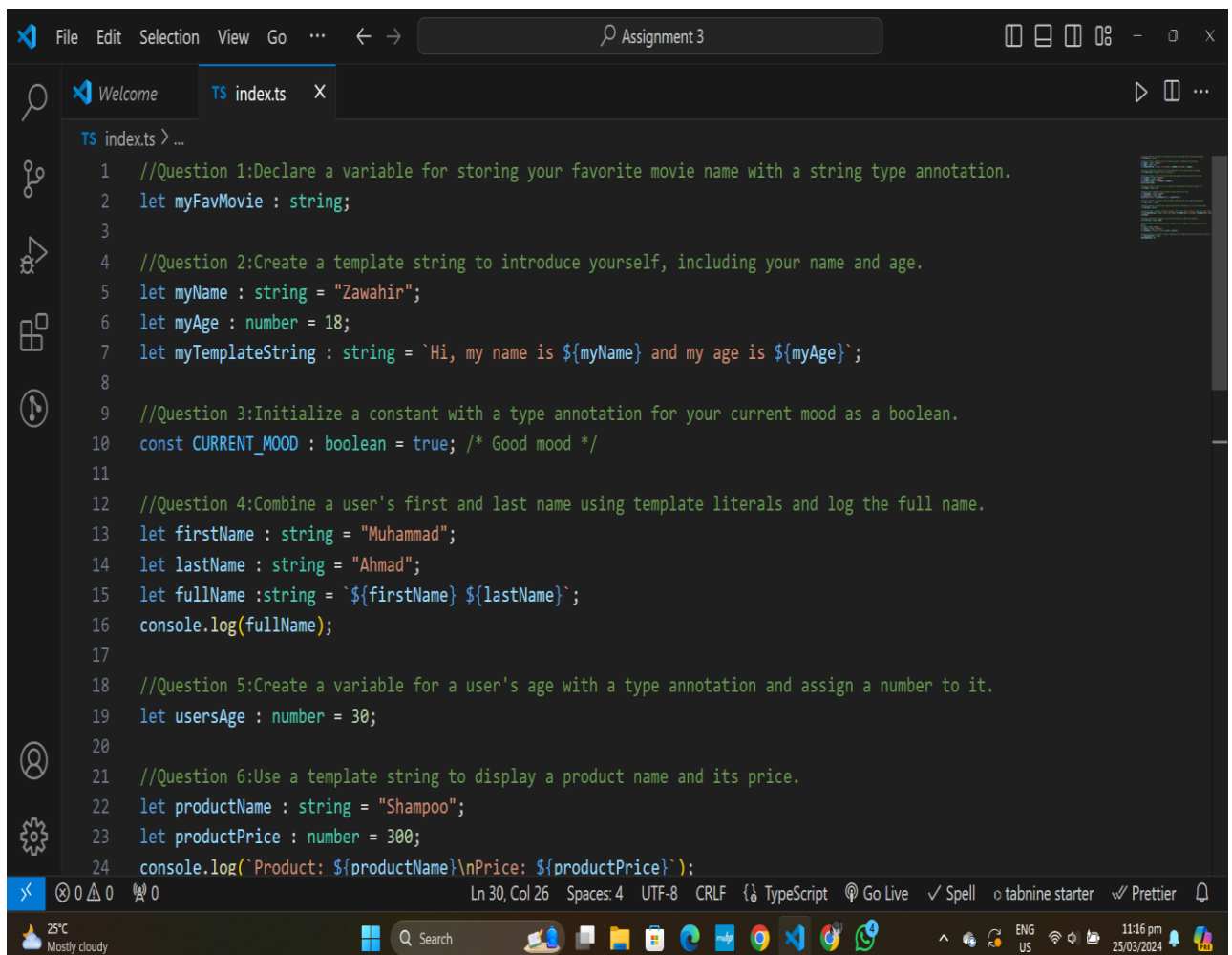# ASSIGNMENT # 3

Name: Muhammad Zawahir

Roll No.: PIAIC227599

Batch: 57

Course Name: Certified Cloud Applied Generative AI Engineer

CODE

```typescript
//Question 1:Declare a variable for storing your favorite movie name with a string type annotation.
let myFavMovie : string;

//Question 2:Create a template string to introduce yourself, including your name and age.
let myName : string = "Zawahir";
let myAge : number = 18;
let myTemplateString : string = `Hi, my name is ${myName} and my age is ${myAge}`;

//Question 3:Initialize a constant with a type annotation for your current mood as a boolean.
const CURRENT_MOOD : boolean = true; /* Good mood */

//Question 4:Combine a user's first and last name using template literals and log the full name.
let firstName : string = "Muhammad";
let lastName : string = "Ahmad";
let fullName :string = `${firstName} ${lastName}`;
console.log(fullName);

//Question 5:Create a variable for a user's age with a type annotation and assign a number to it.
let usersAge : number = 30;

//Question 6:Use a template string to display a product name and its price.
let productName : string = "Shampoo";
let productPrice : number = 300;
console.log(`Product: ${productName}\nPrice: ${productPrice}`);
```

```typescript
26   //Question 7:Declare a variable to store the number of pets you have with a number type annotation.
27   let numberOfMyPets : number;
28
29   //Question 8:Declare a variable with a boolean type annotation indicating if it is your birthday today.
30   let isBirthday : boolean;
31
32   //Question 9:Create a template string that includes a user's first name, last name, and age with proper labels.
33   let usersTemplateString : string = `User's First Name: ${firstName}\nUser's Last Name: ${lastName}\nUser's Age:
     ${usersAge}`;
34
35   //Question 10:Initialize a constant to hold your birth year with a number type annotation.
36   const BIRTH_YEAR : number = 2005;
37
38   //Question 11:Write a line of code that uses a template string to combine a city and country into a full
     address.
39   let city : string = "Lahore";
40   let country : string = "Pakistan";
41   let fullAddress : string = `I live in ${city}, ${country}`;
42
43   //Question 12:Declare a variable for today's temperature with a number type annotation and assign a value to it.
44   let todaysTemperature : number;
45   todaysTemperature = 37;
46
```

OUTPUT:-

```
Microsoft Windows [Version 10.0.22631.3296]
(c) Microsoft Corporation. All rights reserved.

D:\Coding\Typescript\Batch 57\Assignments\Assignment 3>tsc index.ts

D:\Coding\Typescript\Batch 57\Assignments\Assignment 3>node index.js
Muhammad Ahmad
Product: Shampoo
Price: 300

D:\Coding\Typescript\Batch 57\Assignments\Assignment 3>
```