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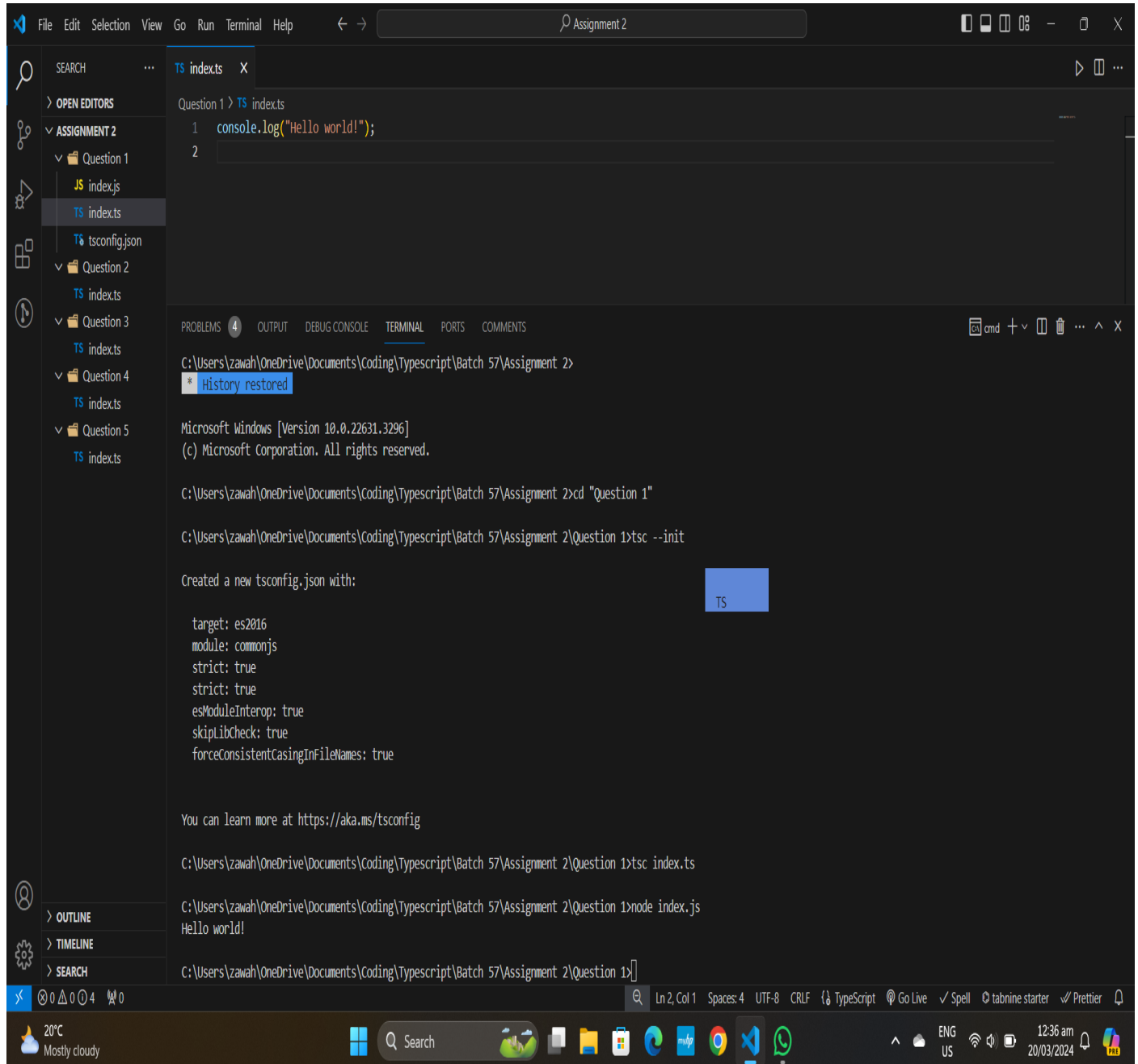
Roll No.: **PIAIC227599**

Batch: **57**

Course Name: **Certified Cloud Applied Generative AI Engineer**

Assignment#2

Question#1



```
File Edit Selection View Go Run Terminal Help
Assignment 2

SEARCH
OPEN EDITORS
ASSIGNMENT 2
  Question 1
    JS index.js
    TS index.ts
    TS tsconfig.json
  Question 2
    TS index.ts
  Question 3
    TS index.ts
  Question 4
    TS index.ts
  Question 5
    TS index.ts

PROBLEMS 4 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2>
* History restored

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

C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2>cd "Question 1"

C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 1>tsc --init

Created a new tsconfig.json with:
{
  "target": "es2016",
  "module": "commonjs",
  "strict": true,
  "strict": true,
  "esModuleInterop": true,
  "skipLibCheck": true,
  "forceConsistentCasingInFileNames": true
}

You can learn more at https://aka.ms/tsconfig

C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 1>tsc index.ts

C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 1>node index.js
Hello world!

C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 1>]
```

Question#2

The screenshot shows the Visual Studio Code editor interface. The left sidebar displays the Explorer view with a project structure for 'Assignment 2' containing five 'Question' folders. Each folder contains 'index.js', 'index.ts', and 'tsconfig.json'. The 'Question 2' folder is selected, and 'index.ts' is open in the editor. The code in 'index.ts' is:

```
1 console.log("Today's Date: " + new Date().getDate() + "-" + new Date().getMonth() + "-" + new Date().getFullYear());
```

The bottom panel shows the TERMINAL view with the following commands and output:

```
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 1>cd..
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2>cd "Question 2"
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 2>tsc --init

Created a new tsconfig.json with:

  target: es2016
  module: commonjs
  strict: true
  esModuleInterop: true
  skipLibCheck: true
  forceConsistentCasingInFileNames: true

You can learn more at https://aka.ms/tsconfig

C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 2>tsc index.ts
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 2>tsc index.ts
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 2>node index.js
Today's Date: 20-2-2024
```

The status bar at the bottom indicates the current file is 'Ln 1, Col 31', using 'UTF-8' encoding with 'CRLF' line endings. It also shows various extensions like 'TypeScript', 'Go Live', 'Spell', 'tabnine starter', and 'Prettier' are active.

Question#3

The screenshot shows the Visual Studio Code editor interface. The left sidebar displays the Explorer view with a project structure for 'Assignment 2' containing five questions. The main editor area shows a file named 'index.ts' with the following code:

```
1 console.log(Math.ceil(Math.random() * 100));
2
```

Below the editor, the TERMINAL tab is active, showing the output of running TypeScript commands. The terminal text is as follows:

```
esModuleInterop: true

C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 2>cd..

C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2>cd "Question 3"

C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 3>tsc --init

Created a new tsconfig.json with:

  target: es2016
  module: commonjs
  strict: true
  esModuleInterop: true
  skipLibCheck: true
  forceConsistentCasingInFileNames: true

You can learn more at https://aka.ms/tsconfig

C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 3>tsc index.ts

C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 3>node index.js
76

C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 3>
```

The status bar at the bottom indicates the current file is 'Ln 1, Col 41', with 4 spaces, UTF-8 encoding, and CRLF line endings. It also shows various extensions like TypeScript, Go Live, Spell, tabnine starter, and Prettier are installed.

Question#4

The screenshot shows the Visual Studio Code interface with a TypeScript file named `index.ts` open in the editor. The file contains the following code:

```
1 let myName:string = "Zawahir";
2
3 console.log(`Hello, ${myName}.`);
4
```

The left sidebar shows the Explorer view with the following structure:

- ASSIGNMENT 2
 - Question 1
 - index.js
 - index.ts
 - tsconfig.json
 - Question 2
 - index.js
 - index.ts
 - tsconfig.json
 - Question 3
 - index.js
 - index.ts
 - tsconfig.json
 - Question 4
 - index.js
 - index.ts (selected)
 - tsconfig.json
 - Question 5
 - index.ts

The bottom panel shows the TERMINAL view with the following commands and output:

```
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 3>cd..
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2>cd "Question 4"
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 4>tsc --init
Created a new tsconfig.json with:
{
  "target": "es2016",
  "module": "commonjs",
  "strict": true,
  "esModuleInterop": true,
  "skipLibCheck": true,
  "forceConsistentCasingInFileNames": true
}
You can learn more at https://aka.ms/tsconfig
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 4>tsc index.ts
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 4>node index.js
Hello, Zawahir.
```

The status bar at the bottom shows the file is at line 4, column 1, with 4 spaces, UTF-8 encoding, and CRLF line endings. It also indicates the file is a TypeScript file and has various extensions like Go Live, Spell, tabnine starter, and Prettier installed.

Question#5

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** A project structure for 'Assignment 2' containing five subfolders (Question 1 to Question 5). Each folder contains 'index.js', 'index.ts', and 'tsconfig.json' files.
- Editor:** The 'index.ts' file for 'Question 5' is open, showing:

```
1 let quote: string = "Happiness is a state of mind.";
2 console.log(quote);
3
```
- Terminal:** The terminal window shows the following commands and output:

```
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 4>cd..
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2>cd "Question 5"
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 5>tsc --init

Created a new tsconfig.json with:

{
  "target": "es2016",
  "module": "commonjs",
  "strict": true,
  "esModuleInterop": true,
  "skipLibCheck": true,
  "forceConsistentCasingInFileNames": true
}

You can learn more at https://aka.ms/tsconfig

C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 5>tsc index.ts
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 5>node index.js
Happiness is a state of mind.
C:\Users\zawah\OneDrive\Documents\Coding\Typescript\Batch 57\Assignment 2\Question 5>
```
- Status Bar:** Shows 'Ln 2, Col 20', 'Spaces: 4', 'UTF-8', 'CRLF', 'TypeScript', and various extensions like 'Go Live', 'Spell', 'tabnine starter', and 'Prettier'.
- System Tray:** Displays the date and time as '12:52 am 20/03/2024'.

