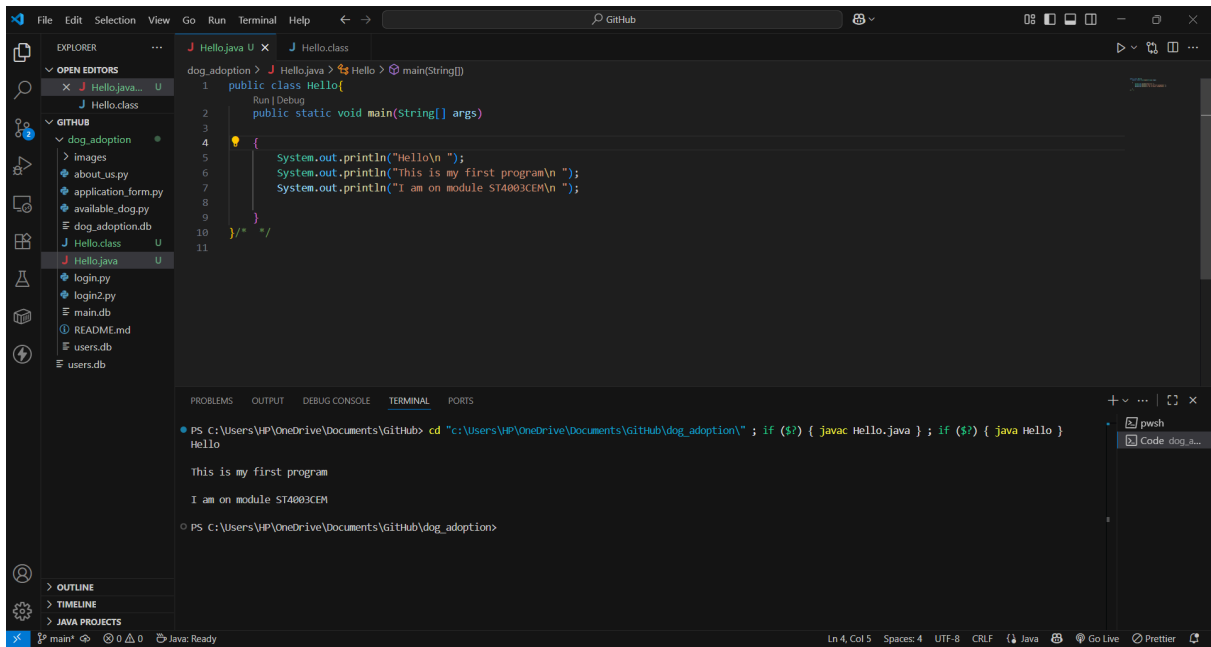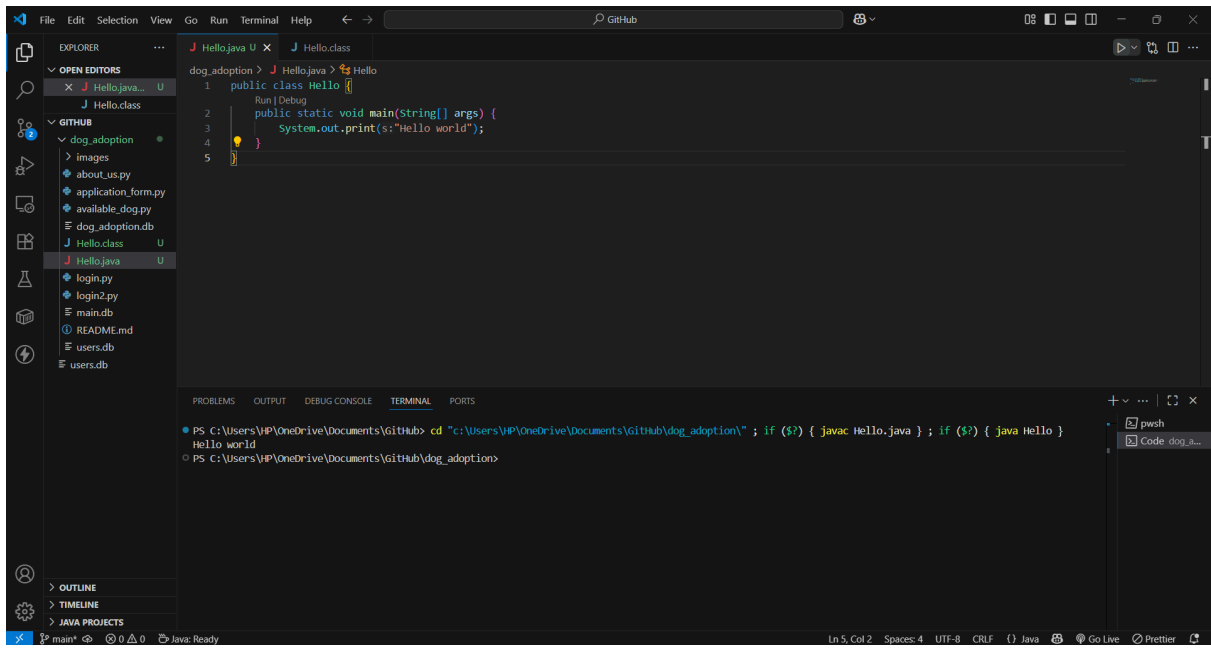**TASK 1**
**Purnima Ghimire**
**BSc. Hons Computing, Softwarica College of IT & E-Commerce**
**ST4003CEM object oriented programming**
**Prabisha khadka**
**30 aug 2025**

First screenshot - Hello.java:
```java
public class Hello {
    public static void main(String[] args) {
        System.out.print(s:"Hello world");
    }
}
```

Terminal:
```
PS C:\Users\HP\OneDrive\Documents\GitHub> cd "c:\Users\HP\OneDrive\Documents\GitHub\dog_adoption\" ; if ($?) { javac Hello.java } ; if ($?) { java Hello }
Hello world
PS C:\Users\HP\OneDrive\Documents\GitHub\dog_adoption>
```

Second screenshot - Hello.java:
```java
public class Hello{
    public static void main(String[] args)

    {
        System.out.println("Hello\n ");
        System.out.println("This is my first program\n ");
        System.out.println("I am on module ST4003CEM\n ");

    }
}/*  */
```

Terminal:
```
PS C:\Users\HP\OneDrive\Documents\GitHub> cd "c:\Users\HP\OneDrive\Documents\GitHub\dog_adoption\" ; if ($?) { javac Hello.java } ; if ($?) { java Hello }
Hello

This is my first program

I am on module ST4003CEM

PS C:\Users\HP\OneDrive\Documents\GitHub\dog_adoption>
```

```java
public class Hello {
    public static void main(String[] args) {
        System.out.print("A \"quoted\" string is " +
            "\n 'much' better if you learn to " +
            "\n the rule of \"escape sequences.\" " +
            "\n Also, \"\" represents an empty " +
            "\n string. Don't forget: use \\\" " +
            "\n instead of \" ! " +
            "\n \" is not the same as \"");
    }
}
```

Terminal:
```
PS C:\Users\HP\OneDrive\Documents\GitHub> cd "c:\Users\HP\OneDrive\Documents\GitHub\dog_adoption\" ; if ($?) { javac Hello.java } ; if ($?) { java Hello }
A "quoted" string is
 'much' better if you learn to
 the rule of "escape sequences."
 Also, "" represents an empty
 string. Don't forget: use \"
 instead of " !
 " is not the same as "
PS C:\Users\HP\OneDrive\Documents\GitHub\dog_adoption>
```

```java
public class Hello {
    public static void main(String[] args) {
        System.out.print("""
        *
        **
        ***
        ****
        *****
        """);

    }
}
```

Terminal:
```
PS C:\Users\HP\OneDrive\Documents\GitHub> cd "c:\Users\HP\OneDrive\Documents\GitHub\dog_adoption\" ; if ($?) { javac Hello.java } ; if ($?) { java Hello }
*
**
***
****
*****
PS C:\Users\HP\OneDrive\Documents\GitHub\dog_adoption>
```

```java
public class Hello {
    public static void main(String[] args) {
        System.out.print("""
        *********
        *********
        *********
        *********
        *********
        """);

    }
}
```

PS C:\Users\HP\OneDrive\Documents\GitHub> cd "c:\Users\HP\OneDrive\Documents\GitHub\dog_adoption\" ; if ($?) { javac Hello.java } ; if ($?) { java Hello }
*********
*********
*********
*********
*********
PS C:\Users\HP\OneDrive\Documents\GitHub\dog_adoption>

```java
public class Hello {
    public static void main(String[] args) {
        System.out.print("A well-formed Java program has a main method with { and } braces.\n" +
            "\nA System.out.println statement has ( and ) and usually a string that " +
            "\nstarts and ends with a \" character.\n" +
            "(but we type \\\" instead!)\n" +
            "\nA ' and a \"? Or between a \" and a \\\"?\n" +
            "\nOne is what we see when we're typing our program. The other is what appears on " +
            "the \"console.\""
        );
    }
}
```

javac Hello.java } ; if ($?) { java Hello }
A well-formed Java program has a main method with { and } braces.

A System.out.println statement has ( and ) and usually a string that
starts and ends with a " character.
(but we type \" instead!)

A ' and a "? Or between a " and a \"?

One is what we see when we're typing our program. The other is what appears on the "console."
PS C:\Users\HP\OneDrive\Documents\GitHub\dog_adoption>