A picture containing text, sign, outdoor

Description automatically generated

**Course Title:**

CSCS 351- Software Quality Assurance

**Section:** A

**Instructor:**

Dr Saad Bin Saleem

**Instrument:**

Assignment 1

**Student name with roll number:**

Sundas Javaid 19-10685

**Semester:**

SP 22’

**Submission Date:**

May 14th, 2022

**Introduction**

The task mainly focuses on demonstrating the practical usage of unit test framework in Python. The version used for Python code is 3.10.0. This particular programming language has been used due to its simplicity and user-friendliness. There are five testing techniques used which depend upon the nature and functions of the code.

**Code**

Input:

Graphical user interface, application

Description automatically generated

Output:

Graphical user interface, text, application, email

Description automatically generated

**Testing code**

Input:

Graphical user interface, application

Description automatically generated

Output:

Graphical user interface, text, application, Word

Description automatically generated

**Conclusion:**

When we execute a module as a standalone program, the attribute *\_\_name\_\_* will be assigned the string ‘*\_\_main\_\_*’. ‘OK’ indicates successful execution of test cases. If anyone of the test cases fail, then Python indicates the failure by showing *AssertionError*.

\*\*\*