**ASSIGNMENT 3**

1. Debugging is the process of finding and fixing errors or bugs in the source code of any software. It helps in reporting error conditions immediately.
2. **Errors**
3. Syntax Error – It refers to a mistake in code that violates the programming language rules and prevents it from executing correctly.
4. Runtime Error – Is an error that occurs when a program you are using or writing crashes or produces a wrong output.
5. Logical Error – Is a bug in the program that causes it to operate incorrectly or produces undesired output but not to terminate abnormally.
6. Operator precedence Error – Occurs when the order of operations in an expression is incorrect due to misunderstanding of how different operators are evaluated.
7. Typing Error – It is an error that occurs when an operator is performed on data that is not of the correct or expected data type.
8. The Print statements and IDE debuggers helps to report error conditions immediately and minimizing distracting information.