**Assignment No 2.**

Any flaws or mistakes in the code which cause your output to behave in an unintended or unexpected way is called a bug.

While errors are categorize in different types

The main three types of error are

1. Syntax Error
2. Logical Error
3. Runtime Error

Syntax Error

A syntax error occurs when a program violates one or more of these rules, such as by using incorrect punctuation or using a keyword incorrectly.

Logical Error

A logical Error occurs when a program compiles and runs successfully, but produces incorrect or unexpected results.for instance. Using the wrong operator or function in an expression.

Runtime Error

When a program encounters a runtime error, it may produce an error message and terminate abruptly. For instance we call any function without defining it it may cause runtime error.