**Python advance assignment -7**

**Q1. What is the purpose of the try statement?**

The try statement is used to enclose a block of code that may raise an exception, allowing the program to handle the exception and continue running instead of crashing.

**Q2. What are the two most popular try statement variations?**

The two most popular try statement variations are the try-except statement and the try-finally statement. The try-except statement is used to catch and handle an exception, while the try-finally statement is used to run cleanup code regardless of whether an exception occurred.

**Q3. What is the purpose of the raise statement?**

The raise statement is used to raise an exception and stop the execution of the program. It can be used to raise a specific exception or to reraise the current exception.

**Q4. What does the assert statement do, and what other statement is it like?**

The assert statement is used to raise an AssertionError if a specified condition is not met. It's similar to the if-else statement, which is used to check a condition and execute different code depending on the outcome.

**Q5. What is the purpose of the with/as argument, and what other statement is it like?**

The with/as argument is used with the with statement to specify an object that should be used in a context. The object's \_\_enter\_\_ and \_\_exit\_\_ methods are called when the with block is entered and exited, respectively. It's similar to the try-finally statement, which is used to run cleanup code regardless of whether an exception occurred. The main difference is that the "with" statement is use to work with resources like file, database, and network connections etc.