

1. What is the purpose of the try statement?

**Ans:** *try* statement is used for exception handling in python. it consists of a block of risky statements which might cause an exception during runtime. *try* and *except* together avoid programs from crashing during runtime due to exceptions.

2. What are the two most popular try statement variations?

- **Ans:** try,except
- try,except,finally
- try,except,finally,else

3. What is the purpose of the raise statement?

**Ans:** *raise* statement is used to trigger an exception explicitly, if a certain condition is not as per requirement.

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

**Ans:** *Assert* statement ensures certain conditions are always true to avoid code failure. if output of the *assert* statement is False, it raises an Assertion Error.

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

**Ans:** with/as statement simplifies use of file handling in python. with statement ensures proper acquisition and release of resources hence avoiding triggering of exceptions if file closing is unknowingly forgotten in the code execution.