Q1. What is the purpose of the try statement?

It allows to define a block of code to be tested for errors while it is being executed

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

Try else and finally block

Try/Except- else:

Try:

#execute the code

Except exception:

#execute when exception occurs

Else:

#execute when there is no execption

Try/except – finally

Try:

#execute the code

Except execption:

#execute for exception

Finally:

#execute after all the code execution

Q3. What is the purpose of the raise statement?

Riase statement is used to raise the exception and stop the control flow of the program

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

Assert keyword is used when debugging the code, it lets to test if the condition in code returns true , if not program will raise the assertionerror

It is like if statement which checks the condition

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

It is used for resource management and exception handling. It allows you to ensure that a resource is "cleaned up" when the code that uses it finishes running, even if exceptions are thrown.

It is like try / finally