Q1. Describe three applications for exception processing.

Exception processing is useful **for error handling**, **termination actions**, and **eventnotification**. It can also simplify the handling of special cases and can be used toimplement alternative control flows as a sort of structured “go to” operation. Ingeneral, exception processing also cuts down on the amount of error-checking codeyour program may require—because all errors filter up to handlers, you may notneed to test the outcome of every operation.

Q2. What happens if you don't do something extra to treat an exception?

**Any uncaught exception eventually filters up to the default exception handlerPython provides at the top of your program. This handler prints the familiar errormessage and shuts down your program.**

Q3. What are your options for recovering from an exception in your script?

If you don’t want the default message and shutdown, you can code try/exceptstatements to catch and recover from exceptions that are raised within its nestedcode block. Once an exception is caught, the exception is terminated and yourprogram continues after the try

.Q4. Describe two methods for triggering exceptions in your script.

The raise and assert statements can be used to trigger an exception, exactly as ifit had been raised by Python itself. In principle, you can also raise an exception bymaking a programming mistake, but that’s not usually an explicit goal

Q5. Identify two methods for specifying actions to be executed at termination time, regardless of whether or not an exception exists

The try/finally statement can be used to ensure actions are run after a block ofcode exits, regardless of whether the block raises an exception or not. The with/as statement can also be used to ensure termination actions are run, but only whenprocessing object types that support it..