Python_advance_assignment_6

Q1. Describe three applications for exception processing.

Ans : Exception Processing is important to find exceptions that causes the runtime error . As runtime errors Halt the program execution when exception occurs . Exception Processing is used in Various Applications of which few examples are : Checking Appropriate use of input in an application Checking for Arithmetic exceptions in mathematical executions Checking File I / O exceptions during File handling

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

Ans : If Exceptions are not handled flow of program will be broken during the run time which might lead to a abnormal termination of the program . Inshort inability of program to handle exceptions will result in crashing of program .

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

Ans : Python provides try and except statements for recovering from an exception in your script .

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

Ans : raise and assert are two methods that can be used to trigger manual exceptions in your script . Raise method triggers an exception if condition provided to it turns out to be True . assert will let the program to continue execution if condition provided to it turns out to be True else exception will be raised .

Q5. Identify two methods for specifying actions to be executed at termination time, regardless of whether ornot an exception exists.

Ans : Python Provides else and finally blocks for specifying actions to be executed at termination time , regardless of whether an exceptions exists or not .