ADVANCED ASSIGNMENT NO 6

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Q1. Describe three applications for exception processing.

Ans: Three applications for exception processing are:

1. Exception processing doesn't let the program terminate abruptly.
2. Exception processing is used to tell the program what to do in case an exception is encountered.
3. Using exception processing, we can raise customized exceptions according to our requirement.

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 an abnormal termination of the program. Inshort inability of program to handle exceptions will result in crashing of program and we will not be able to get the desired result.

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 our script.

 In the try block we write the code that may have a potential exception, and in except block we write the code to tell python what to do when an exception occurs in the try block.

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 our 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 or not 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.