

python_advance_assignment_6

May 30, 2023

Q1. Describe three applications for exception processing.

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[ ]: =>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?

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[ ]: =>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.
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Q3. What are your options for recovering from an exception in your script?

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[ ]: =>Python provides try and except statements for recovering from an exception in
      ↳your script.
```

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

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[ ]: =>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 or not an exception exists.

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