

# Python\_advance\_assignment\_6

Q1. Describe three applications for exception processing.

In [ ]:

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?

In [ ]:

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?

In [ ]:

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 ?

In [ ]:

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 or not an exception exists.

In [ ]:

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