**Q1. Describe three applications for exception processing.**

When our code is syntactically correct but results into error then we need to handle it with exception handling.

1. Try – except: Code which can throw error are kept inside try block then handling of that exception is kept inside except block.
2. Try – multiple except: In this case we have multiple except blocks to specify handlers for different exceptions.
3. Try – except – else: If any error occurs inside try block, then except block will handle it but if no error occurs then else block will execute.
4. Try – except – finally: Finally block always execute no matter error occurs or not.

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

If we don’t do something extra to handle an exception then our code may not able to handle that an exception and throw an error. To avoid it, we should always use else block with try and except.

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

1. Try – except: Code which can throw error are kept inside try block then handling of that exception is kept inside except block.
2. Try – multiple except: In this case we have multiple except blocks to specify handlers for different exceptions.
3. Try – except – else: If any error occurs inside try block, then except block will handle it but if no error occurs then else block will execute.
4. Try – except – finally: Finally block always execute no matter error occurs or not.

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

IndexError: When index is out of range

ZeroDivisionError: When divisor in our division is zero

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

try:

…....

except:

….....

else:

…....

finally:

…...

Finally block will always execute no matter an exception occur or not.