Assignment -2

BCA – 502: Python Programming

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1. Explain in detail about Python Files, its types, functions and operations that can be performed on files with examples. Also describe the different access modes of the files with an example.

2. Discuss the following methods associated with the file object with example. a) read() b) readline() c) readlines() d) readable () e) tell() f) seek() g) write() h) writelines () i) writable ().

3. Describe about Handling Exceptions in detail with examples.

4. Write a Python program to check the validity of a password given by the user using regular expression.

The Password should satisfy the following criteria:

  ➤ Contain at least 1 lower letter between a-z and 1 upper letter between A-Z

  ➤ Contain at least 1 number between 0 - 9

  ➤ Contain at least 1 character from $, #, @, &

  ➤ Length of password should be between 6-12

5. How to Connect Python with MySQL Database and How to create tables and assigne value in table, explain with example.

6. What is Artificial Intelligence and What are it's advantages and disadvantages? Also discuss various applications of Artificial Intelligence.