**Opening files in different modes ('r', 'w', 'a', 'r+', 'w+').**

**Ans:-**

**R (Read mode ) :**

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| --- |
| Open text file for reading. Raises an I/O error if the file does not exist. |
|  |

**W(write mode ):**

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| --- |
| Open the file for writing. Truncates the file if it already exists. Creates a new file if it does not exist. |
|  |

**A (Append Mode):**

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| --- |
| Open the file for writing. The data being written will be inserted at the end of the file. Creates a new file if it does not exist. |
|  |

**R+(** **Read and Write Mode ):**

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| --- |
| Open the file for reading and writing. Raises an I/O error if the file does not exist. |
|  |

**W+( Write and Read Mode):**

|  |
| --- |
| Open the file for reading and writing. Truncates the file if it already exists. Creates a new file if it does not exist. |
|  |

**• Using the open() function to create and access files.**

The open() is used to return a file in either the read or the write mode. The user uses the open() function with two arguments: the file name and the mode (read or write) to return a file object. Different modes are available for this are: “ r “, for reading the file.

**Closing files using close().**

The close() method closes an open file. You should always close your files, in some cases, due to buffering, changes made to a file may not show until you close the file.

Ex: f = open("demofile.txt", "r")  
print(f.read())  
f.close()