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In [ ]: 1.which function is used to open a file ?what are different mode of opening a file
          mode of file opening
        ->open() method is used to open file
          modes:read only,read and write,write only,write and read ,append only
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In [ ]: 2.
        ->close function deallocate the file descriptor indicated by fildes
          importance :because file are limited resources managed by the operating system ,a
          are closed after use will protect against hard to debug issues like running out o
          or experiencing corrupted data
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In [1]: 3.

        with open ("mydocument.txt",mode="w") as f:

            f.write('i want to become a data scientist')
```

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In [ ]: 4.explain the following with python code :read() ,readline() and readlines()
        ->read() method returns the specified number of bytes from the file
          readline()reads a line of file and returns in form of string
          readlines() reads all the lines and return them as each line a string element in
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In [12]: f=open("mydocument.txt","r")
         print(f.readline())
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i want to become a data scientist
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In [14]: f.seek(0)
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Out[14]: 0
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In [15]: print(f.read())
```

```
i want to become a data scientist
```

```
In [16]: f.seek(0)
```

```
Out[16]: 0
```

```
In [17]: print(f.readlines())
```

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['i want to become a data scientist']
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In [32]: 6.#
         f=open('imp.txt','w')
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In [29]: f.write('i want to become a data scientist ')
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Out[29]: 34
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In [34]: f.close()
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In [ ]:
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5.exlain why with statement is used with open().what is advantage of using with sta
  together?
->the with statement works with open() function to open file
  this is because the with statement calls 2 built in methods behind the scene -_en
  advantage:
     the advantage of using with clause is that any file that is opened by using thi
     once the control comes outside with clause
```

In [ ]: