Q1. f = open("data.txt")

      1. Identify name of file.

      2. Identify name of function.

      3. What if 'f' in above code?

      4. The above statement will _____ file in _____ mode.

Answer:-

      1.the name of file is data.txt.

      2.function name is open().

      3. f is a pointer or object of that file.

      4. open file, read text mode.

Q2. What is the default mode of opening a file?

Answer:-

      Read and text mode is default mode for opening file in python.

Q3. Write the code in python to open a file named "try.txt"

Answer:-

      f=open("try.txt")

Q4. Write a statement in python to open a file named "data.txt" stored in folder "content" in D drive.

Answer:-

```
f=open("D:\content" + "file_operations.txt" )
print(f.read())
f.close()
```

Q5. Name the three modes in which file can be opened in python.

Answer:-

      There are three types modes. For opening a file as follow

            1.r= Read mode.

2.w=Write mode

3.a= Append mode

Q6. What do you mean by file object in python?

Answer: -

A file object allows to use and access or manipulate file data, with the help of file object we can open file write, read, append, delete content of file we can also assume the object works as a pointer for file to allocate where is pointer in the file. File object is a reference to a file

Example: - f= open("file_name.extsion_of_file" , "modes")

Here f is a object of file and open is function which we are performing then file name with extension and then modes of file in which we want to open. This all things happen with the help of object of file.

Q7. Write the symbols used in text file mode for the following operations.

Answer: -

There are some symbols of file modes operations

1.w = write only

2.r = read only

2. w+ = write and read

4.r+ = read and write

5.a = Append

6.x = create file if not exists

7. t = text mode

8.b = binary mode

Q8. Write the statement to close the file "test.txt" which is associated with file object named "fo".

Answer: -

fo.close()

Q9. Write a program to read first 10 characters from a file named "data.txt"

Answer: -

```
f=open("data.txt")
f.read(10)
f.close()
```

if we want to print that 10 characters then we have to use print function as follow

```
print(f.read(10))
```

Q.10 Write a program to read entire content from the file named "test.txt"

Answer: -

```
f=open("test.txt")
print(f.read())
f.close()
```

Q.11 Write a program in python to read first line from the file("data.txt").

```
f=open("data.txt")
f.readline()
f.close()
```