Reading

By reading the entire file

In [9]:
```python
#10-1

for i in range(3):
    with open("learning_python.txt") as file_object:
        content = file_object.read()
        print(content)
```

```
In python you can do addition,subtraction,division,multiplication.
In python i learn the concept of list.
In python i learn the concept of Dictionary.
In python i learn the concept of String.
In python i learn the concept of Functions.

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```

Reading line by line or through looping

```python
In [10]: for i in range(3):
    with open("learning_python.txt") as file_object:
        for line in file_object:
            print(line)
```

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Making a List of Lines from a File

```
In [11]:  for i in range(3):
              with open("learning_python.txt") as file_object:
                  lines = file_object.readlines()
                  for line in lines:
                      print(line)
```

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In [14]:
```python
#10-2
for i in range(3):
    filename = "learning_python.txt"
    with open(filename) as file_object:
        content = file_object.read()
        new_content = content.replace("python" , "C")
        print(new_content)
```

```
In C you can do addition,subtraction,division,multiplication.
In C i learn the concept of list.
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In C i learn the concept of String.
In C i learn the concept of Functions.
```

In [18]:
```python
#10-2
for i in range(3):
    with open("learning_python.txt") as file_object:
        lines = file_object.readlines()
        for line in lines:
            new_lines = line.replace("python" ,"C")
            print(new_lines)
```

In C you can do addition,subtraction,division,multiplication.

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Writing

In [22]:
```python
#10-3
for i in range(3):
    name = input("What is your name? ")

    with open("guest.txt" , "w") as file_object:
        file_object.write(name)
```

```
What is your name? Arif
What is your name? Ali
What is your name? soomro
```

In [23]:
```python
#10-4

file_name = "guest.txt"
while True:
    name = input("What is your name? ")

    if name == "quit":
        break

    print(f"welcome , {name} ")

    with open(file_name , "a") as file_object:
        file_object.write(name + "\n")

print("Thankyou for visiting")
```

```
What is your name? arif
welcome , arif
What is your name? break
welcome , break
What is your name? quit
Thankyou for visiting
```

Try Except

In [25]:
```python
#10-6
while True:
    try:
        num1 = int(input("Enter a number: "))
        num2 = int(input("Enter a number: "))
        result = num1 + num2
        print(f"result of {num1} and {num2} is {result}")
        break
    except ValueError:
        print("Invalid datatype")
```

```
Enter a number: s
Invalid datatype
Enter a number: 1
Enter a number: 1
result of 1 and 1 is 2
```

In [ ]: