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# File Handling

# Open a file
fhandle = open("sample.txt", "w")

# Write some contents to the file
fhandle.write("This is Line 1\n")
fhandle.write("This is Line 2\n")
fhandle.write("This is Line 3\n")
fhandle.write("This is Line 4\n")
fhandle.write("This is Line 5\n")

# Close a file
fhandle.close()

# Open a file
fhandle = open("sample.txt", "a")

# Write some contents to the file
fhandle.write("This is Line 6\n")
fhandle.write("This is Line 7\n")
fhandle.write("This is Line 8\n")
fhandle.write("This is Line 9\n")
fhandle.write("This is Line 10\n")

# Close a file
fhandle.close()

print ("-----")

# Open a file
fread = open("sample.txt", "r")

# read method
contents= fread.read(20)
print ("Contents 1 ->", contents)

contents= fread.read(20)
print ("Contents 2 ->", contents)

contents= fread.read(20)
print ("Contents 3 ->", contents)

# Position
pos = fread.tell()
print ("Cursor Position ->", pos)

# Seek - to move the cursor to the beginning of the file
fread.seek(0)
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print ("-----")

# readline method
contents = fread.readline()
print ("Contents 1 ->", contents)

contents = fread.readline()
print ("Contents 2 ->", contents)

contents = fread.readline(13)
print ("Contents 3 ->", contents)

contents = fread.readline(10)
print ("Contents 4 ->", contents)

contents = fread.readline(10)
print ("Contents 5 ->", contents)

# Seek - to move the cursor to the beginning of the file
fread.seek(0)

print ("-----")

# readlines method
contents = fread.readlines()[1::2]
print ("All Contents ->", contents, '->', type(contents))

for line in contents:
    print ("Line ->", line.strip('\n'))

# Close a file
fread.close()

print ("-----")
```