## **Random Access of Binary Files**

- There are two ways of accessing a file
- 1. Sequential Access Read values in files one by one
- 2. Random Access We can go to any byte of file and read it
- Random access works for binary files as well for example

```
with open('my.data','wb') as f:
    f.write(b'abcdefghij')
```

- Whenever a file is opened its pointer will be at index 0
- tell() method will tell you the current position of file pointer
- seek() is the method, which will move the file pointer to a certain given position in a file for example

```
with open('my.data','rb') as f:
    print(f.read(2).decode)
```

```
C:\Users\Abdul Bari\Desktop\MyPython>python BinRead.py
ab
```

Moving the pointer

```
with open('my.data','rb') as f:
    print(f.read(2).decode())
    f.seek(3,0)
    print(f.read(1).decode())
```

```
C:\Users\Abdul Bari\Desktop\MyPython>python BinRead.py
ab
d
```

• Moving the pointer from current position

```
with open('my.data','rb') as f:
    print(f.read(2).decode())
    f.seek(3,1)
    print(f.read(1).decode())
```

```
C:\Users\Abdul Bari\Desktop\MyPython>python BinRead.py
ab
f
```

Moving the pointer from end of file

```
with open('my.data','rb') as f:
    print(f.read(2).decode())
    f.seek(-3,2)
    print(f.read(1).decode())
```

```
C:\Users\Abdul Bari\Desktop\MyPython>python BinRead.py
ab
h
```