Writing a .txt file

```python
def data(n):
    print("Enter Data for Student : ", i + 1)

    rollno = input("Enter Your Roll no : ")
    name = input("Enter Your Name : ")

    if "it" in rollno.lower():
        deg = "BS - IT"

    elif "cs" in rollno.lower():
        deg = "BS - CS"

    elif "se" in rollno.lower():
        deg = "BS - SE"

    sem = input("Enter Your semester : ")
    password = "pucit"
    email = rollno + "@pucit.edu.pk"

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

    write(rollno, name, deg, sem, password, email)

def write(r,n,d,s,p,e):
    fout = open("record.txt", 'a')
    line = r + "\t" + n + "\t" + d + "\t" + s + "\t" + p + "\t" + e + "\n"
    fout.write(line)

    fout.close

n = int(input("Enter Number Of records : "))
print()

for i in range(n):
    try:
        data(i)
    except:
        print("Error In writing File")

print("Data Entered Successfully")
```

```
Enter Number Of records : 1

Enter Data for Student :  1
```

```
Enter Your Roll no : BITF19M524
Enter Your Name : USAMA MALOOK
Enter Your semester : 5
------------------------
Data Entered Successfully
```

Writing a .csv File

```python
#SAME CODE FOR INPUT AS IN .TXT FILE

def write(r,n,d,s,p,e):
    fout = open("record.csv", 'a')

    #JUST REPLACE TABS WITH COMAS
    line = r + "," + n + "," + d + "," + s + "," + p + "," + e + "\n"
    fout.write(line)

    fout.close

n = int(input("Enter Number Of records : "))
print()

for i in range(n):
    try:
        data(i)
    except:
        print("Error In writing File")

print("Data Entered Successfully")
```

```
Enter Number Of records : 5

Enter Data for Student :  1
Enter Your Roll no : BITF19M526
Enter Your Name : MUHAMMAD YASIR
Enter Your semester : 5
------------------------
Enter Data for Student :  2
Enter Your Roll no : BITF19M514
Enter Your Name : USAMA AKRAM
Enter Your semester : 5
------------------------
Enter Data for Student :  3
Enter Your Roll no : BCSF19M501
Enter Your Name : ALI RAZA
Enter Your semester : 5
------------------------
Enter Data for Student :  4
Enter Your Roll no : BSEF19M501
```

```
Enter Your Name : UMER
Enter Your semester : 5
-----------------------
Enter Data for Student :   5
Enter Your Roll no : BITF19M513
Enter Your Name : AREESHA NASEEM
Enter Your semester : 5
-----------------------
Data Entered Successfully
```

Reading a .txt File

In [2]:

```python
def read():
    try:
        file = open("record.txt")
    except:
        print("File Not Found")
        exit()

    count = 1
    for line in file:
        print("Student ", count)
        print(line)
        count += 1

read()
```

```
Student  1
BITF19M526      MUHAMMAD YASIR  BS - IT 5       pucit   BITF19M526@pucit.edu.pk

Student  2
BITF19M514      USAMA AKRAM     BS - IT 5       pucit   BITF19M514@pucit.edu.pk

Student  3
BITF19M527      FARWA IRFAN     BS - IT 5       pucit   BITF19M527@pucit.edu.pk

Student  4
BITF19M513      AREESHA NASEEM  BS - IT 5       pucit   BITF19M513@pucit.edu.pk

Student  5
BITF19M537      MUHAMMAD AWAIS  BS - IT 5       pucit   BITF19M537@pucit.edu.pk

Student  6
BITF19M515      MUTEEB HAYAT KHAN       BS - IT 5       pucit   BITF19M515@pucit.edu.pk

Student  7
BITF19M501      FAZEEN SHOQAT   BS - IT 5       pucit   BITF19M501@pucit.edu.pk

Student  8
```

```
BITF19M528        MAIRA QURESHI    BS-IT    5        pucit    BITF19M528@pucit.edu.pk

Student  9
BITF19M517        RIDA FATIMA      BS-IT    5        pucit    BITF19M517@pucit.edu.pk

Student  10
BCSF19M501        ALI RAZA         BS - CS 5         pucit    BCSF19M501@pucit.edu.pk

Student  11
BSEF19M501        UMER     BS - SE 5        pucit    BSEF19M501@pucit.edu.pk

Student  12
BITF19M520        HAREEM FATIMA    BS - IT 5         pucit    BITF19M520@pucit.edu.pk

Student  13
BITF19M524        USAMA MALOOK     BS - IT 5         pucit    BITF19M524@pucit.edu.pk
```

Reading a .csv File

In [8]:
```python
def read():
    try:
        file = open("record.csv")
    except:
        print("File Not Found")
        exit()

    count = 0
    for line in file:

        if count == 0:
            count += 1
            continue

        print("Student ", count)
        newline = ""

        for i in range(len(line)):
            if line[i] == ',':
                newline += "\t"
                continue

            newline += line[i]

        print(newline)
        count += 1


read()
```

```
Student  1
BITF19M526        MUHAMMAD YASIR  BS - IT 5        pucit    BITF19M526@pucit.edu.pk


Student  2
BITF19M514        USAMA AKRAM      BS - IT 5        pucit    BITF19M514@pucit.edu.pk


Student  3
BCSF19M501        ALI RAZA         BS - CS 5        pucit    BCSF19M501@pucit.edu.pk


Student  4
BSEF19M501        UMER     BS - SE 5        pucit    BSEF19M501@pucit.edu.pk


Student  5
BITF19M513        AREESHA NASEEM  BS - IT 5        pucit    BITF19M513@pucit.edu.pk
```