File - D:\Ankur\Python\Project\import_to_db.bat

```
1 @ECHO ON
2 REM Runs both my project scripts
3
4 C:\Users\Ashray\AppData\Local\Programs\Python\Python38-32\Python.exe C
  :\Users\Ashray\Desktop\Project\input.py
5 ECHO Attendance imported to Database Successfully.....
6
```

```
 1  import sqlite3
 2  connection = sqlite3.connect("IITK.db")
 3
 4  cursor = connection.cursor()
 5
 6  sql_command = '''
 7  CREATE TABLE attendance (
 8  roll_no INTEGER,
 9  firstname VARCHAR(20),
10  lastname VARCHAR(30),
11  day DATE,
12  att CHAR(1) );'''
13
14  cursor.execute(sql_command)
```

```
1  # for any student based on month/year
2  import datetime
3  import sqlite3
4
5  roll_no = int(input("Enter Roll No of Student: "))
6  month = int(input("Enter Month in digits: "))
7  year = int(input("Enter year : "))
8
9
10 def viewall():
11     sdate = datetime.date(year, month, 1)
12     if month == 12:
13         edate = datetime.date(year + 1, month, 1)
14     else:
15         edate = datetime.date(year, month + 1, 1)
16     #print(sdate,edate)
17     conn = sqlite3.connect("IITK.db")
18     cur = conn.cursor()
19     cur.execute("SELECT * FROM attendance where roll_no=? and day>=? and
       day<? ", (roll_no, sdate, edate))
20     global data
21     data = cur.fetchall()
22
23
24
25 def feedfile(data):
26     f = open('student_details_for_a_month.csv', 'w')
27     for row in data:
28         for element in row:
29             f.write(str(element))
30             f.write(',')
31         f.write('\n')
32     f.close()
33
34
35 viewall()
36 feedfile(data)
37
```

```
1  import sqlite3
2  import datetime
3
4
5  def insert(roll_no, firstname, lastname, day, att):
6     conn = sqlite3.connect("IITK.db")
7     cur = conn.cursor()
8     cur.execute("INSERT INTO attendance VALUES (?,?,?,?,?)", (roll_no,
   firstname, lastname, day, att))
9     conn.commit()
10    conn.close()
11
12
13 def parse(name):
14    table = []
15    with open(name, "r") as csvfile:
16       for line in csvfile:
17          line = line.rstrip()
18          columns = line.split(',')
19          table.append(columns)
20    return table
21
22
23 def feed_db(table):
24    for col in table:
25       roll = int(col[0])
26       fname = str(col[1])
27       lname = str(col[2])
28       d = (col[3].strip()).split('-')
29       dy = int(d[0])
30       mon = int(d[1])
31       yr = int(d[2])
32       d1 = datetime.date(yr, mon, dy)
33       att = str(col[4])
34       insert(roll, fname, lname, d1, att)
35
36
37 table = parse("stu.csv")
38 feed_db(table)
39
```

File - D:\Ankur\Python\Project\monthly_extract.bat

```
1 @ECHO ON
2 REM Runs both my project scripts
3
4 C:\Users\Ashray\AppData\Local\Programs\Python\Python38-32\Python.exe C
  :\Users\Ashray\Desktop\Project\monthly_extract.py
5 ECHO Attendance exported to student_details_for_a_month.csv Successfully
  ........
6
7 PAUSE
```

File - D:\Ankur\Python\Project\student_extract.bat

```
1 @ECHO ON
2 REM Runs both my project scripts
3
4 C:\Users\Ashray\AppData\Local\Programs\Python\Python38-32\Python.exe C
  :\Users\Ashray\Desktop\Project\student_extract.py
5 ECHO Attendance exported to details_for_a_student.csv Successfully.....
6
7 PAUSE
```

```
1  import sqlite3
2
3  roll_no = int(input("Enter Roll No of Student: "))
4
5
6  def viewall(roll_no):
7      conn = sqlite3.connect("IITK.db")
8      cur = conn.cursor()
9      cur.execute("SELECT * FROM attendance where roll_no=?  ", (roll_no,))
10     global data
11     data = cur.fetchall()
12
13
14 def feedfile(data):
15     f = open('details_for_a_student.csv', 'w')
16     for row in data:
17         for element in row:
18             f.write(str(element))
19             f.write(',')
20         f.write('\n')
21     f.close()
22
23
24 viewall(roll_no)
25 feedfile(data)
26
```

File - D:\Ankur\Python\Project\yearly_extract.bat

```
1 @ECHO ON
2 REM Runs both my project scripts
3
4 C:\Users\Ashray\AppData\Local\Programs\Python\Python38-32\Python.exe C
  :\Users\Ashray\Desktop\Project\yearly_extract.py
5 ECHO Attendance exported to student_details_for_a_year.csv Successfully
  ........
6
7 PAUSE
```

File - D:\Ankur\Python\Project\yearly_extract.py

```
1  import sqlite3
2  import datetime
3
4  roll_no = int(input("Enter Roll No of Student: "))
5
6  year = int(input("Enter year : "))
7
8  def viewall(roll_no, year):
9     sdate = datetime.date(year, 1, 1)
10    edate = datetime.date(year + 1, 1, 1)
11    conn = sqlite3.connect("IITK.db")
12    cur = conn.cursor()
13    cur.execute("SELECT * FROM attendance where roll_no=? and day>=? and
      day<? ", (roll_no, sdate, edate))
14    global data
15    data = cur.fetchall()
16
17 def feedfile(data):
18    f = open('student_details_for_a_year.csv', 'w')
19    for row in data:
20       for element in row:
21          f.write(str(element))
22          f.write(',')
23       f.write('\n')
24    f.close()
25
26 viewall(roll_no, year)
27 feedfile(data)
28
```