***Day 19 task***

### 1. Create an Excel with data of Student database and add all the values which is required for student management database, Read the excel file and add the datas into a DB (using script)

**import** **openpyxl**

path = "students.xlsx"

wb\_obj = openpyxl.load\_workbook(path)

sheet\_obj = wb\_obj.active

cell\_obj = sheet\_obj.cell(row = 5, column = 3)

print(cell\_obj.value)

Output:-

Mayur

*# print one student complete record from excel sheet*

**for** i **in** range(1,11):

cell\_obj = sheet\_obj.cell(row = 5, column = i)

print(cell\_obj.value)

Output:-

4

104

Mayur

9.8

9.5

8.8

9.366666667

9876434321

Mayur@123gmail.com

**import** **mysql.connector**

mydb = mysql.connector.connect(

host="localhost",

user="root",

password="1234",

)

mycursor = mydb.cursor()

print(mydb)

Output:-

<mysql.connector.connection\_cext.CMySQLConnection object at 0x000001ECE4D6E580>

dbse = mydb.cursor()

dbse.execute("CREATE DATABASE Students\_Management\_System")

dbse = mydb.cursor()

dbse.execute("SHOW DATABASES")

**for** entry **in** dbse:

print(entry)

Output:-

('doctor',)

('doctors1',)

('grocerystore',)

('information\_schema',)

('mydatabase',)

('mysql',)

('performance\_schema',)

('sakila',)

('students\_management\_system',)

('sys',)

('world',)

mydb = mysql.connector.connect(

host="localhost",

user="root",

password="1234",

database="students\_management\_system"

)

dbse = mydb.cursor()

dbse = mydb.cursor()

dbse.execute("SHOW TABLES")

**for** value **in** dbse:

print(value)

Output:-

('student1',)

('student2',)

('student3',)

cur = mydb.cursor()

cur.execute('SELECT \* FROM student3')

**for** row **in** cur:

print(row)

**import** **pandas** **as** **pd**

df = pd.read\_excel('students.xlsx')

**import** **xlrd**

**import** **MySQLdb**

xl\_sheet = xlrd.open\_workbook("students.xlsx")

xl\_sheet

Output:-

<xlrd.book.Book at 0x1ece7ca2430>

sheet\_name =xl\_sheet.sheet\_names()

sheet\_name

Output:-

['students']

mydb = mysql.connector.connect(

host="localhost",

user="root",

password="1234",

database="students\_management\_system"

)

cur = mydb.cursor()

**for** s **in** range(0,1):

sheet=xl\_sheet.sheet\_by\_index(s)

sql= "INSERT INTO student3(roll\_no,Reg\_no,NAME,semester1,semester2 ,semester3 , CGPA ,email\_id) VALUES(**%s**,**%s**,**%s**,**%s**,**%s**,**%s**,**%s**,**%s**)"

**for** r **in** range(1,sheet.nrows):

roll\_no =sheet.cell(r,0).value

Reg\_no =sheet.cell(r,1).value

NAME =sheet.cell(r,2).value

semester1 =sheet.cell(r,3).value

semester2 =sheet.cell(r,4).value

semester3 =sheet.cell(r,5).value

CGPA =sheet.cell(r,6).value

email\_id=sheet.cell(r,7).value

values =(roll\_no ,Reg\_no,NAME ,semester1,semester2 ,semester3 , CGPA ,email\_id)

cur.execute(sql,values)

mydb.commit()

mycursor = mydb.cursor()

mycursor.execute("SELECT \* FROM student3")

myresult = mycursor.fetchall()

**for** x **in** myresult:

print(x)

Output:-

(1, 101, 'Mukesh', 9, 7, 7, 8, None, 'Mukesh@gmail.com')

(2, 101, 'jayesh', 9, 7, 7, 8, None, 'jayesh@gmail.com')

(3, 101, 'ramesh', 9, 7, 7, 8, None, 'ramesh@gmail.com')

(4, 101, 'mahesh', 9, 7, 7, 8, None, 'mahesh@gmail.com')

(5, 101, 'udhvesh', 9, 7, 7, 8, None, 'udhvesh@gmail.com')

(6, 101, 'suresh', 9, 7, 7, 8, None, 'suresh@gmail.com')

mycursor = mydb.cursor()

mycursor.execute("SELECT NAME FROM student3 WHERE CGPA >6")

myresult = mycursor.fetchall()

**for** x **in** myresult:

print(x)

Output:-

('Mukesh',)

('jayesh',)

('ramesh',)

('mahesh',)

('udhvesh',)

('suresh',)