STUDENT EXAMINATION PORTAL

Submitted by

Name of the student : Debasmita Dutta

Enrollment Number : 12022002016055

Section : D

Class Roll Number : 61

Stream : CSE(AIML)

Subject : Programming for Problem Solving with Python

Subject Code : IVC101

Department : Basic Science and Humanities

Under the supervision of

Prof. Dr. Swarnendu Ghosh

Academic Year : 2022-2026

PROJECT REPORT SUBMITTED IN PARTIAL FULFILLMENT OF THE RQUIREMENTS FOR THE FIRST SEMESTER

DEPARTMENT OF BASIC SCIENCE AND HUMANITIES
INSTITUTE OF ENGINEERING AND MANAGEMENT, KOLKATA

CERTIFICATE OF RECOMMENDATION

We hereby recommend that the project prepared under our supervision by Debasmita Dutta, entitled STUDENT EXAMINATION PORTAL be accepted in patrial fulfilment of the requirements for the degree of partial fulfilment of the first semester.

Head of the Department
Basic Sciences and Humanities
IEM, Kolkata

Project Supervisor

1. Introduction

If we see at the present scenario we can clearly understand that it is a digital very educational institutions or big companies need a system to keep a record of the data of their students and employees respectively. The best way to maintain these records is by creating separate Databases and storing the necessary data. In this project we have mainly used the PYTHON Programming Language to make a database which can be further used to store necessary data. PYTHON is a easy to understandable and user friendly language so anyone can make a program to make such data bases according to their needs.

1.1 Objective

The main objective of this project is to develop a program for creating a database by which we can take data from the user and store it in the desired cells, Because of these project we got to learn "How to create a Database", "Relationship between several databases" , and "How to create a database using PYTHON Programming Language"

1.2 Organization of the project

This project consists of three sections:

i) Taking data from the user: When we run the programme a few terminal prompts instruct us to give the correct input.

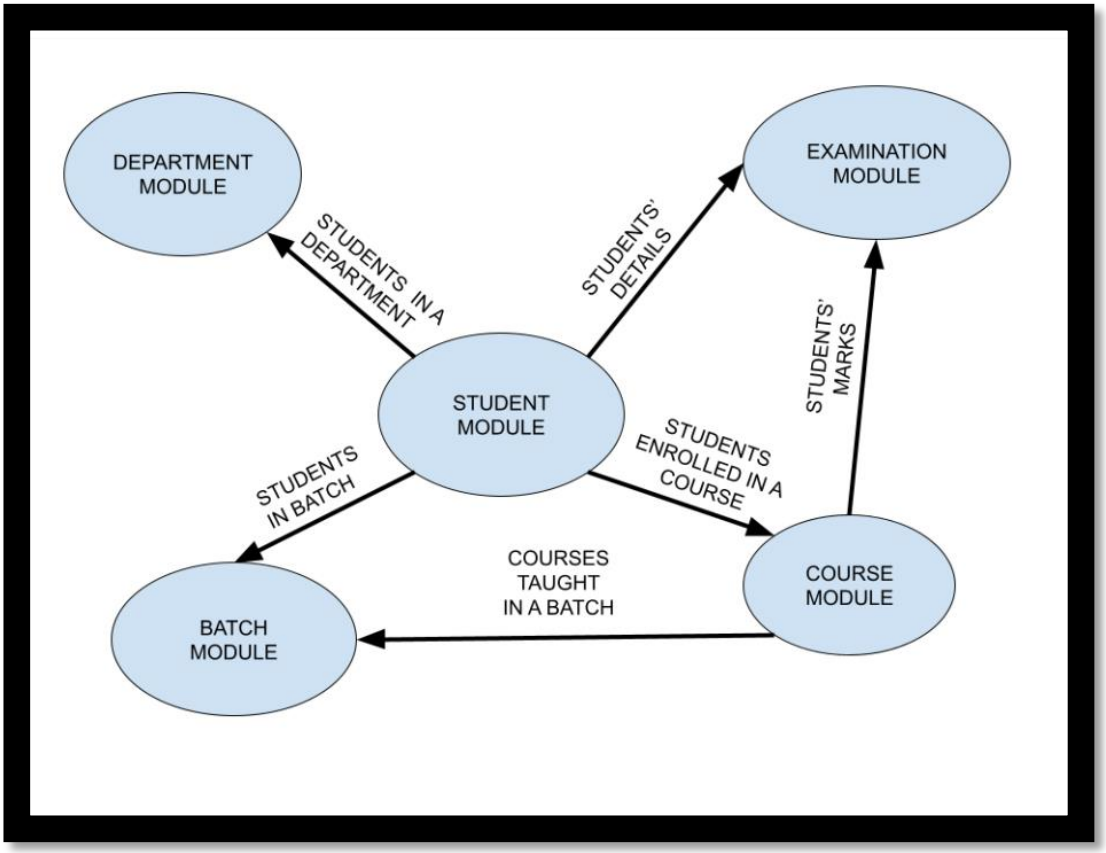
ii)Storing the data into different databases: After taking the inputs from the user the code analyses data and store it in its respective databases.

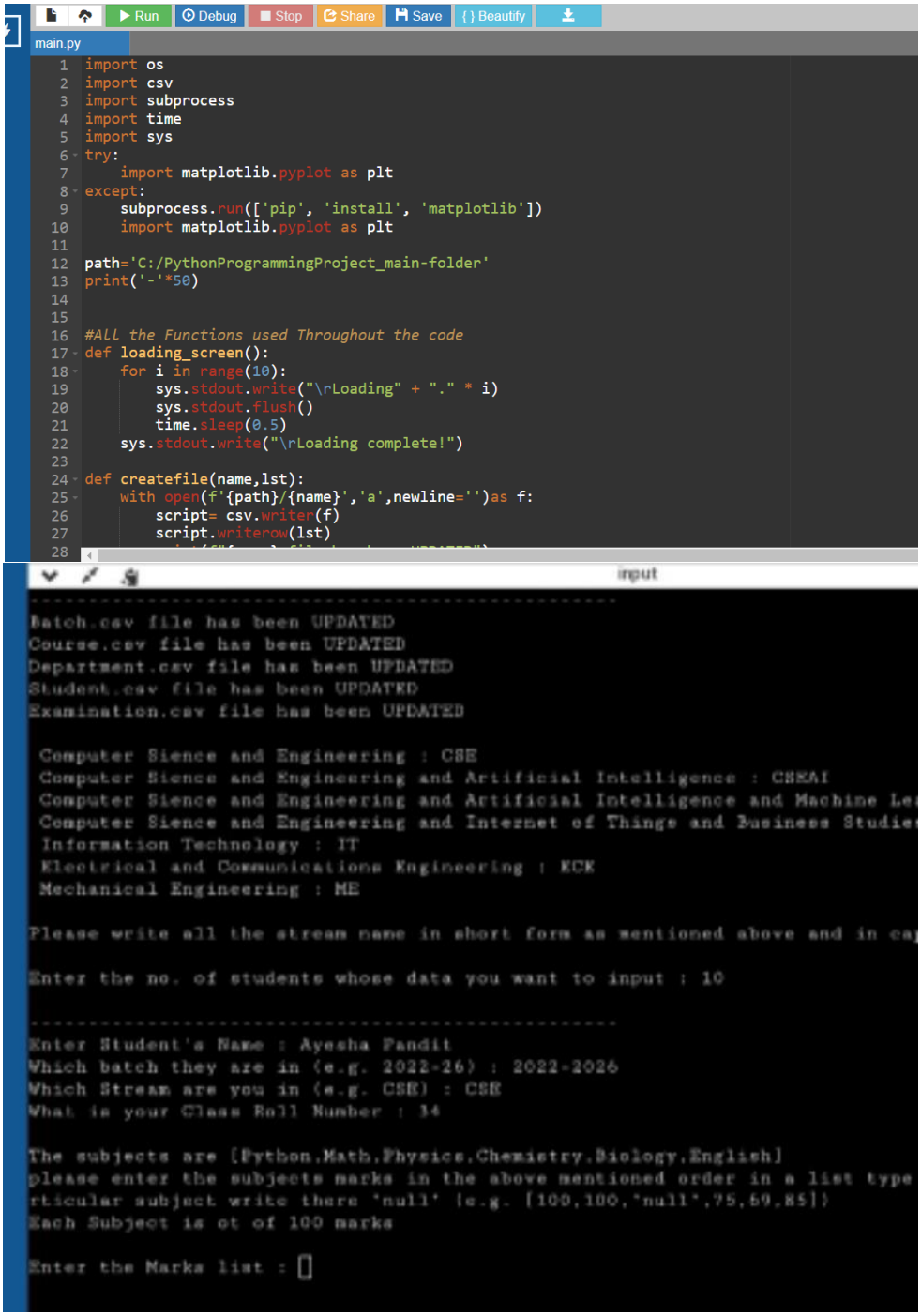
2. Database descriptions

There are four databases:

1)STUDENT: Stores details of a student
2)COURSE: Stores details of all courses
3)BATCH: Stores details of all courses
4)DEPARTMENT: Stores details of all courses

3. Data Flow and E-R Diagrams




Run
Debug
Stop
Share
Save
{ } Beautify
main.py
import os
import csv
import subprocess
import time
import sys
try:
import matplotlib.pyplot as plt
except:
subprocess.run(['pip', 'install', 'matplotlib'])
import matplotlib.pyplot as plt
path='C:/PythonProgrammingProject_main-folder'
print('-'*50)
#All the Functions used Throughout the code
def loading_screen():
for i in range(10):
sys.stdout.write("\rLoading" + "." * i)
sys.stdout.flush()
time.sleep(0.5)
sys.stdout.write("\rLoading complete!")
def createfile(name,lst):
with open(f'{path}/{name}','a',newline='')as f:
script= csv.writer(f)
script.writerow(lst)
input
Batch.csv file has been UPDATED
Course.csv file has been UPDATED
Department.csv file has been UPDATED
Student.csv file has been UPDATED
Examination.csv file has been UPDATED
Computer Sience and Engineering : CSE
Computer Sience and Engineering and Artificial Intelligence : CSEAI
Computer Sience and Engineering and Artificial Intelligence and Machine Le
Computer Sience and Engineering and Internet of Things and Business Studie
Information Technology : IT
Electrical and Communications Engineering : ECE
Mechanical Engineering : ME
Please write all the stream name in short form as mentioned above and in ca
Enter the no. of students whose data you want to input : 10
Enter Student's Name : Ayesha Pandit
Which batch they are in (e.g. 2022-26) : 2022-2026
Which Stream are you in (e.g. CSE) : CSE
What is your Class Roll Number : 14
The subjects are [Python,Math,Physics,Chemistry,Biology,English]
please enter the subjects marks in the above mentioned order in a list type
rticular subject write there 'null' (e.g. [100,100,'null',75,69,85])
Each Subject is ot of 100 marks
Enter the Marks list :