STUDENT EXAMINATION PORTAL

Submitted by

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Enrolment Number: 12022002013030
Section: K
Class Roll Number: 49
Stream: EEE
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: 2022-26

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

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

CERTIFICATE OF RECOMMENDATION

We hereby recommend that the project prepared under our supervision by **Sanchari Chatterjee,** entitled <STUDENT EXAMINATION PORTAL>be accepted in partial fulfillment of the requirements for the degree of partial fulfillment 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 institution or big companies need a system to keep a record of the data of their students and employees respectively. The best way to maintain this record 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 programe to make such data bases according to their needs.

1.1 Objective

The main objective of this project is to develope a programe 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 following sections
i) Taking data from the user: When we run the programe 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

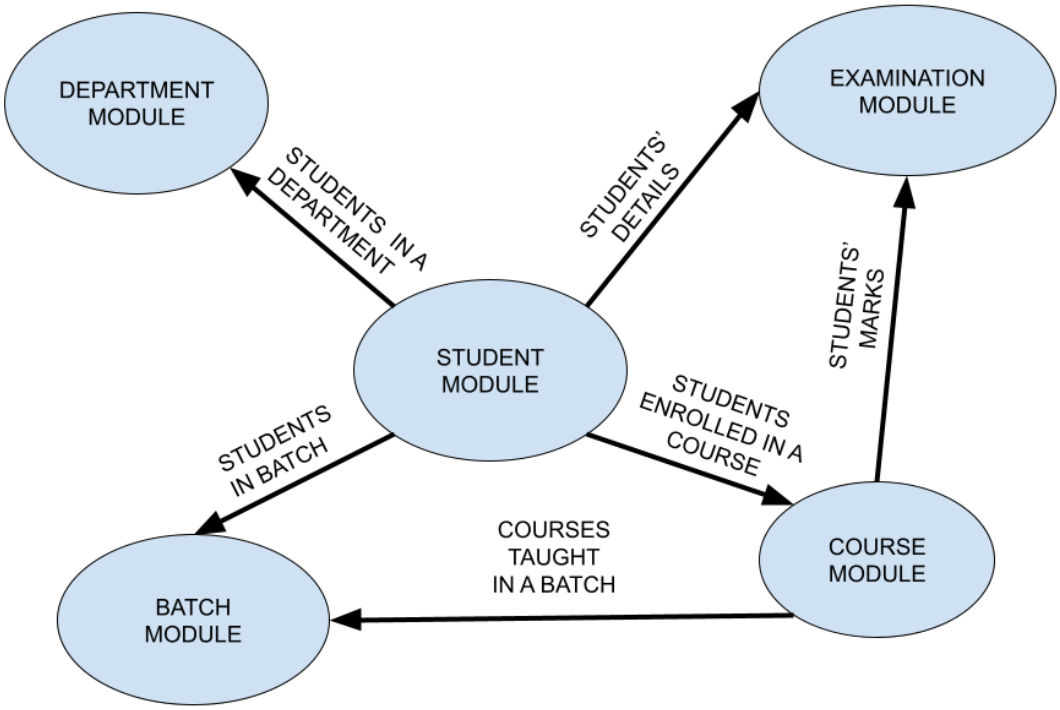
There are four databases:
1)STUDENT: Stores details of a student
2)COURSE: Stores details of all courses
3)BATCH: Stores details of all courses
4)DEPARTMENT: Stores details of all coursesDatabase Samples

2.1 Provides samples of the database that are created or used. You may use screenshots.

Name of the student : Sanchari Chatterjee
Class Roll of the student : 49
Stream of the student : EEE
Your Student ID is : EEE2249
Marks obtained in Math is : 100
Marks obtained in Python is : 90
Marks obtained in Physics is : 85
Marks obtained in Chemistry is : 85
Marks obtained in Biology is : 95
Marks obtained in English is : 85
You have got 540 in total with 90%
Outstanding Performance... You have passed the exam with grade A

3 Data Flow and E-R Diagrams

Demonstrate the dependency of all the python modules written using data flow diagrams



4 Programs

Provide the python programs of the various modules.

1) rootDir/main.py

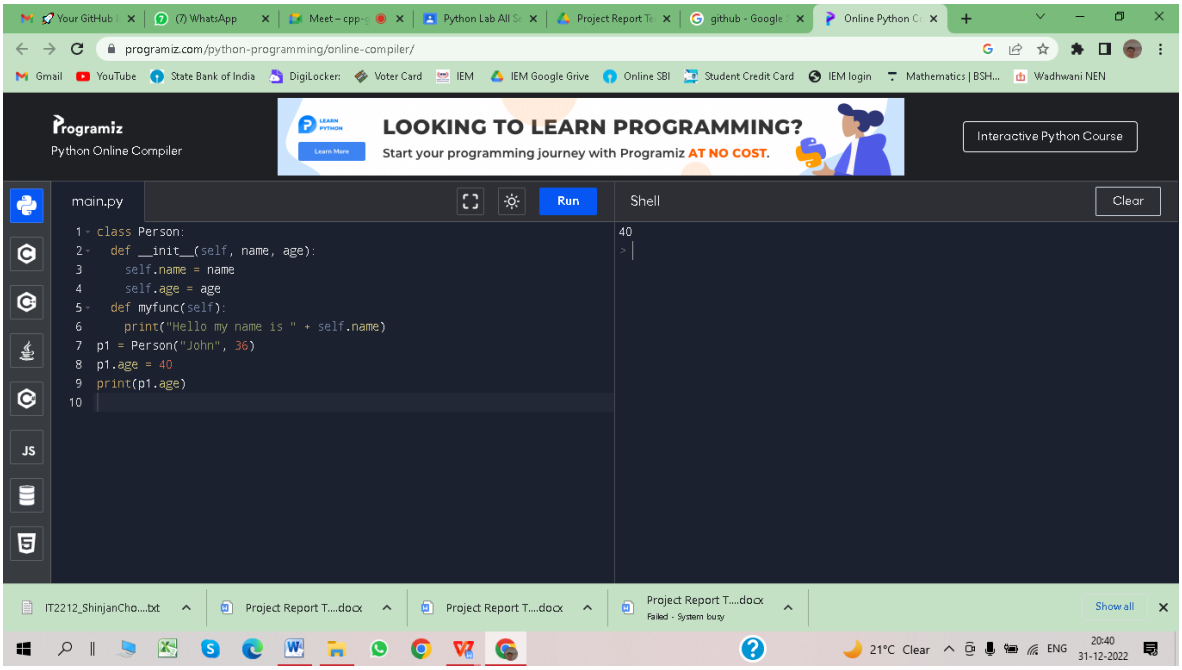
```
class Person:
  def __init__(self, name, age):
    self.name = name
    self.age = age
  def myfunc(self):
    print("Hello my name is " + self.name)
p1 = Person("John", 36)
p1.age = 40
print(p1.age)
```

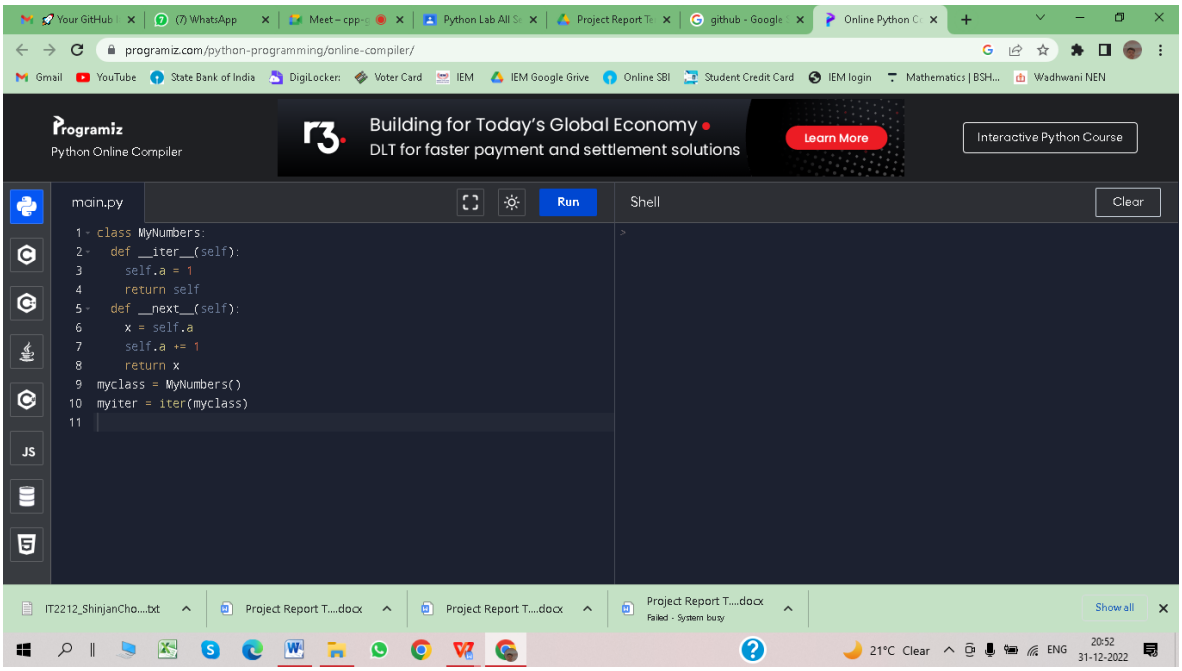
2) rootDir/program1.py

```
class MyNumbers:
  def __iter__(self):
```

```
    self.a = 1
    return self
  def __next__(self):
    x = self.a
    self.a += 1
    return x
myclass = MyNumbers()
myiter = iter(myclass)
```

5 Outputs

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main.py
Run
Shell
Clear
class MyNumbers:
def __iter__(self):
self.a = 1
return self
def __next__(self):
x = self.a
self.a += 1
return x
myclass = MyNumbers()
myiter = iter(myclass)
Show all
21°C Clear
ENG
20:52
31-12-2022