# STUDENT EXAMINATION PORTAL

## Submitted by

**Name of the Students:** Abhinav Rai
**Enrolment Number:** 12022002003138
**Section:** G
**Class Roll Number:** **3**
**Stream:** ECE
**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 HUMANITIES**
**INSTITUTE OF ENGINEERING AND MANAGEMENT, KOLKATA**

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## CERTIFICATE OF RECOMMENDATION

We hereby recommend that the project prepared under our supervision by **Abhinav Rai,** 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

Nowadays, schools, colleges or any other educational organizations need a system to keep their students' information, and the best way to maintain the record is by creating separate databases and storing the necessary data. There are so many ways to do the same. Using the "python" programming language we can quickly develop a code by running which we can take necessary data from the user and store it in the respective databases.

## 1.1 Objective

The main objective of this project is to develop a python programme by which we can take data from user and store it in respective databases. This project makes us learn how to create a database, the relationships between several databases, and how we can easily create databases with simple python code.

## 1.2 Organization of the Project

This project consists of three sections

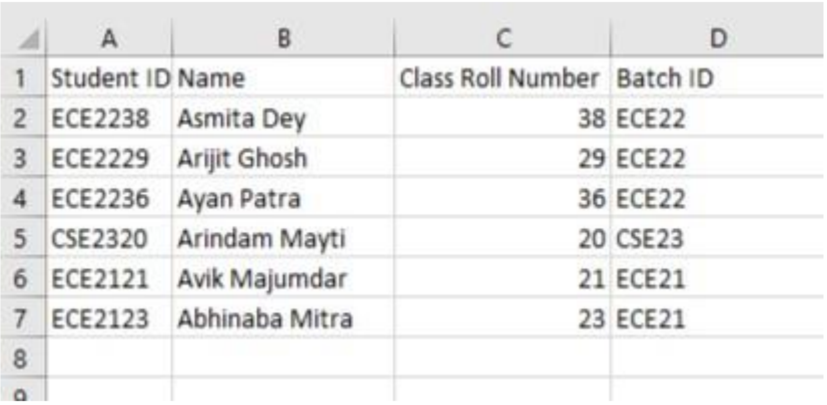
**i) Taking data from the user:** When we run the programme a few terminal prompts instruct us to give the correct input.

**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

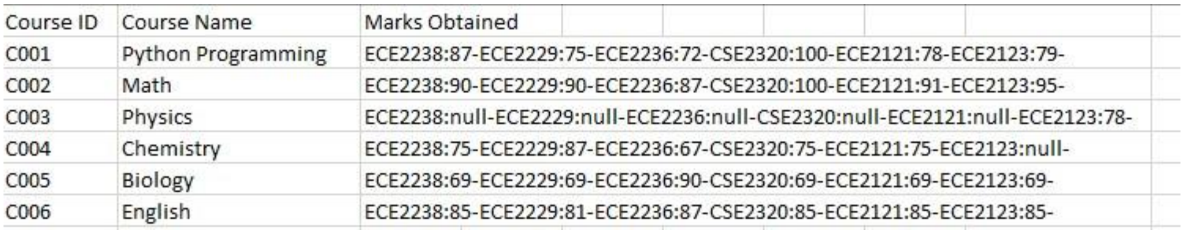
There are four databases:

1)STUDENT: Stores details of a student



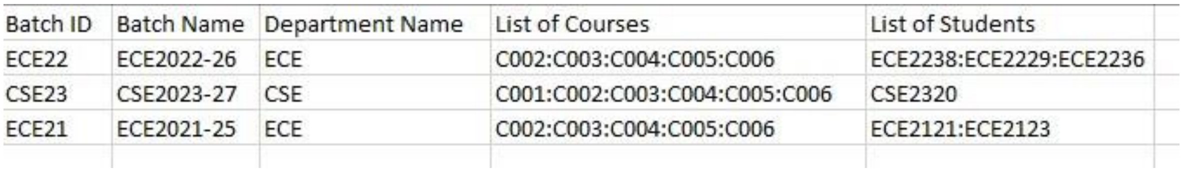
|  | A | B | C | D |
|---|---|---|---|---|
| 1 | Student ID | Name | Class Roll Number | Batch ID |
| 2 | ECE2238 | Asmita Dey | 38 | ECE22 |
| 3 | ECE2229 | Arijit Ghosh | 29 | ECE22 |
| 4 | ECE2236 | Ayan Patra | 36 | ECE22 |
| 5 | CSE2320 | Arindam Mayti | 20 | CSE23 |
| 6 | ECE2121 | Avik Majumdar | 21 | ECE21 |
| 7 | ECE2123 | Abhinaba Mitra | 23 | ECE21 |
| 8 |  |  |  |  |
| 9 |  |  |  |  |

2)COURSE: Stores details of all courses



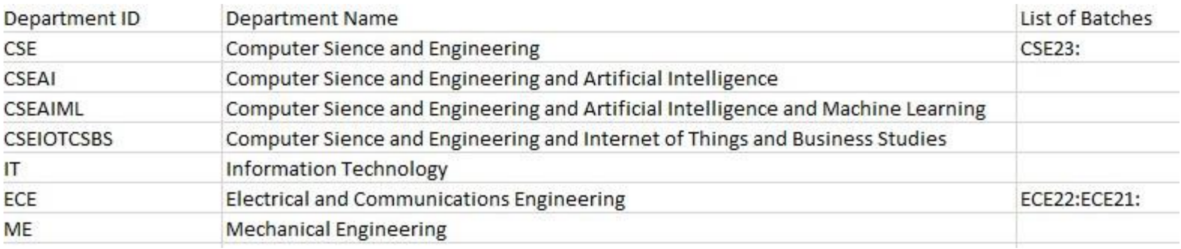
| Course ID | Course Name | Marks Obtained |
|---|---|---|
| C001 | Python Programming | ECE2238:87-ECE2229:75-ECE2236:72-CSE2320:100-ECE2121:78-ECE2123:79- |
| C002 | Math | ECE2238:90-ECE2229:90-ECE2236:87-CSE2320:100-ECE2121:91-ECE2123:95- |
| C003 | Physics | ECE2238:null-ECE2229:null-ECE2236:null-CSE2320:null-ECE2121:null-ECE2123:78- |
| C004 | Chemistry | ECE2238:75-ECE2229:87-ECE2236:67-CSE2320:75-ECE2121:75-ECE2123:null- |
| C005 | Biology | ECE2238:69-ECE2229:69-ECE2236:90-CSE2320:69-ECE2121:69-ECE2123:69- |
| C006 | English | ECE2238:85-ECE2229:81-ECE2236:87-CSE2320:85-ECE2121:85-ECE2123:85- |

3)BATCH:  Stores details of all courses



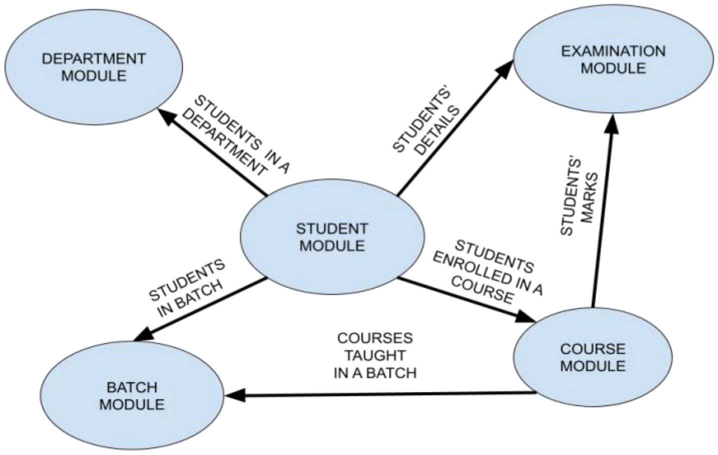
| Batch ID | Batch Name | Department Name | List of Courses | List of Students |
|---|---|---|---|---|
| ECE22 | ECE2022-26 | ECE | C002:C003:C004:C005:C006 | ECE2238:ECE2229:ECE2236 |
| CSE23 | CSE2023-27 | CSE | C001:C002:C003:C004:C005:C006 | CSE2320 |
| ECE21 | ECE2021-25 | ECE | C002:C003:C004:C005:C006 | ECE2121:ECE2123 |

4)DEPARTMENT: Stores details of all courses



| Department ID | Department Name | List of Batches |
|---|---|---|
| CSE | Computer Sience and Engineering | CSE23: |
| CSEAI | Computer Sience and Engineering and Artificial Intelligence | |
| CSEAIML | Computer Sience and Engineering and Artificial Intelligence and Machine Learning | |
| CSEIOTCSBS | Computer Sience and Engineering and Internet of Things and Business Studies | |
| IT | Information Technology | |
| ECE | Electrical and Communications Engineering | ECE22:ECE21: |
| ME | Mechanical Engineering | |

# 3    Data Flow and E-R Diagrams



# 4. Programs

```
importos importcsv
importsubprocess import
time import sys try:
importmatplotlib.pyplot as plt
except:
```

```
subprocess.run(['pip', 'install', 'matplotlib']) importmatplotlib.pyplot
as plt

path='C:/PythonProgrammingProject_main-folder' print('-'*50)


#All the Functions used Throughout the code
defloading_screen(): for i in range(10):
sys.stdout.write("\rLoading" + "." * i)
sys.stdout.flush() time.sleep(0.5)
sys.stdout.write("\rLoading complete!")

defcreatefile(name,lst): with
open(f'{path}/{name}','a',newline=")as f:
script= csv.writer(f)
script.writerow(lst)
print(f"{name} file has been UPDATED")

def percent(num): ifstream.lower()=='cse' or
stream.lower()=='cseai' or stream.lower()=='cseaiml' or
stream.lower()=='cseiotcsbs':
num=(num*100)//600 elifstream.lower()=='it' or stream.lower()=='ece' or
stream.lower()=='me':
num=(num*100)//500 returnnum


def grade(num): ifnum>=90:
return("Outstanding
Performance... You have
passed the exam with grade
A.") elifnum<90 and
num>=80:
return("Excellent Performance... You have passed the exam with grade B.")
elifnum<80 and num>=70:
return("Good Performance... You have passed the exam with grade C.")
elifnum<70 and num>=60:
return("Your performance is average... Work hard... You have passed the
exam with grade D.") elifnum<60 and num>=50:
return("Your performance is below average... There is massive scope of
improvement... You have barely passed the exam with grade E.") else:
```

```
return("Extremely poor performance... You have Failed the Exam and got F.")

def count(lst):
num=0 for
i in lst:
ifstr(type(i))=="<class 'int'>":
num+=1
else: pass
returnnum



def add(lst):
plus=0 for i
in lst: try:
plus+=i
except:
pass return
plus

def duplicate(file,attr,pos=0):
with open(f'{path}/{file}','r') as f:
reader = csv.reader(f) dup_lst=[]
for i in reader: dup_lst+=[i[pos]]
ifattr in dup_lst:
return True
else:
return False

def choice(stream): ifstream.lower()=='cse' or
stream.lower()=='cseai' or stream.lower()=='cseaiml' or
stream.lower()=='cseiotcsbs':
return ("C001:C002:C003:C004:C005:C006") elifstream.lower()=='it' or
stream.lower()=='ece' or stream.lower()=='me':
return ("C002:C003:C004:C005:C006")

defget_batch(): with open(f'C:/PythonProgrammingProject_main-
folder/Batch.csv','r') as f:
reader=csv.reader(f) rows=[row
for row in reader] column=[]
for i in range(len(rows)): if
```

```
i==0: pass else:
column+=[rows[i][0]] return
column

def remove(string):
with
open(f'C:/PythonProgrammingProject_mainfolder
/Student.csv','r+',newline=") as f:
script=csv.reader(f) rows=[row for row in script]
for i in rows: if i[0]==string:
rows[rows.index(i)]=[",",","]
else: pass
f.seek(0)
f.truncate() writer=csv.writer(f)
writer.writerows(rows)



defcourse_graph():

color_lst=['#C70039','#9BB1F2','#FFC300','#FF5733','#DAAFB1','#86B7C8']
fig, ax = plt.subplots() legend_properties = {'weight':'heavy'}
ax.set_facecolor("Black") ax.tick_params(axis="both", colors="white")
fig.set_facecolor("Black")
ax.set_xlabel('Grades--------->', color="white")
ax.set_ylabel('No. of Students--------->', color="white")
ax.spines["bottom"].set_color("white")
ax.spines["left"].set_color("white")
ax.xaxis.label.set_weight("heavy")
ax.yaxis.label.set_weight("heavy") count=0 with
open(f'{path}/Course.csv','r')as f:
script= csv.reader(f)
rows=[row for row in script]
req=[] for i in
range(len(rows)): if i==0:
pass else:
req+=[rows[i][2]]
lst=[['Python',(req[0].split('-'))[0:-1]],          ['Math',(req[1].split('-
'))[0:-1]],
            ['Physics',(req[2].split('-'))[0:-1]],
            ['Chemistry',(req[3].split('-'))[0:-1]],
            ['Biology',(req[4].split('-'))[0:-1]],
            ['English',(req[5].split('-'))[0:-1]]]

for i in range(len(lst)): for j
in range(len(lst[i][1])): try:
lst[i][1][j]=grade(int((lst[i][1][j].split(':'))[-1]))[-2] except:
lst[i][1][j]="

for k in range(6):
           a=lst[k][1].count('A')
b=lst[k][1].count('B')
c=lst[k][1].count('C')
d=lst[k][1].count('D')
e=lst[k][1].count('E')            f=lst[k][1].count('F')
lst[k][1]={'A':a,'B':b,'C':c,'D':d,'E':e,'F':f}

for j in lst:
x=list(j[1].keys())
y=list(j[1].values())
ax.plot(x, y,marker=",",color=color_lst[count],label=j[0],linewidth=3)
leg=plt.legend(fontsize=10,loc="upper right",
facecolor="Black",edgecolor="Black",prop=legend_properties) count+=1

for text in leg.get_texts(): text.set_color('White')

plt.show()

defbatch_graph(arg): with
open(f'{path}/Batch.csv','r') as f:
reader=csv.reader(f) req="
rows=[row for row in reader] for i in
range(len(rows)): ifarg==rows[i][0]:
req=rows[i][4] break req_lst=req.split(':')
with open(f'{path}/Course.csv','r') as f:
reader=csv.reader(f) rows=[row for row
in reader] column=[] for i in
range(len(rows)): if i==0: pass else:
column+=[rows[i][2]] new_column=[]
for j in range(len(column)):
```

```
new_column+=(column[j].split('-'))[0:-1]
new_req_lst=[] temp=[] for i in req_lst:
for j in range(len(new_column)): if i in
new_column[j]:
temp+=[(new_column[j].split(':'))[-1]]
new_req_lst+=[[[i]]+[temp]] temp=[]
lst=[]
temp=0 grade_lst=[] for i in
range(len(new_req_lst)): for j in
range(6): try:
temp+=int(new_req_lst[i][1][j])
except: pass
lst+=[new_req_lst[i][0]+[temp]] temp=0 for
i in range(len(lst)): iflst[i][0][:3]=='CSE':
grade_lst+=[grade((lst[i][1]*100)//600)[-2]]
lst[i][1]=grade((lst[i][1]*100)//600)[-2]
else:
grade_lst+=[grade((lst[i][1]*100)//500)[-2]]
lst[i][1]=grade((lst[i][1]*100)//500)[-2]

grade_no_lst={'A':grade_lst.count('A'),'B':grade_lst.count('B'),'C':grade_lst.co
unt('C'),'D':grade_lst.count('D'),'E':grade_lst.count('E'),'F':grade_lst.count('F')}

labels = list(grade_no_lst.keys())
sizes = list(grade_no_lst.values())

color_lst=['#C70039','#9BB1F2','#FFC300','#FF5733','#DAAFB1','#86B7C8']
explode = (0.01,0.1,0.02,0.05,0.03,0.1) new_labels=[] for i in
range(len(labels)): new_labels+=[f'{labels[i]} : {str(sizes[i])}']

fig,ax = plt.subplots() ax.set_facecolor("Black")
fig.set_facecolor("Black")
plt.rcParams['font.weight'] = 'heavy'
   #plt.rcParams['font.size'] = '1'

patches, texts=ax.pie(sizes, labels=new_labels,
colors=color_lst,explode=explode,shadow=True,startangle=
90,textprops={'fontsize': 0})
```

```
centre_circle = plt.Circle((0,0),0.60,fc='black') fig
= plt.gcf()
fig.gca().add_artist(centre_circle)

legend_properties = {'weight':'heavy'}

leg=plt.legend(fontsize=10,loc="center",
facecolor="Black",edgecolor="Black",prop=legend_properties)
for text in leg.get_texts(): text.set_color('white')

plt.title('Overall Grades vs No. of Students',color='White',weight='heavy')
plt.axis('equal')
plt.show()

defdepartment_graph(): need={}
with open(f'{path}/Batch.csv','r') as f:
reader=csv.reader(f)
batch=[batch[0] for batch in reader]
batch=batch[1:] forarg in batch:
avg=0 with
open(f'{path}/Batch.csv','r') as f:
reader=csv.reader(f) req="
rows=[row for row in reader]
for i in range(len(rows)):
ifarg==rows[i][0]:
req=rows[i][4] break
req_lst=req.split(':') with
open(f'{path}/Course.csv','r') as f:
reader=csv.reader(f)
rows=[row for row in reader]
column=[] for i in
range(len(rows)): if i==0:
pass else:
column+=[rows[i][2]]
new_column=[] for j in
range(len(column)):
new_column+=(column[j].split('-'))[0:-1]
new_req_lst=[] temp=[] for i in req_lst:
for j in range(len(new_column)): if i in
new_column[j]:
```

```
            temp+=[(new_column[j].split(':'))[-1]]
new_req_lst+=[[[i]]+[temp]] temp=[] lst=[]
temp=0 grade_lst=[] for i in
range(len(new_req_lst)): for j in
range(6): try:
temp+=int(new_req_lst[i][1][j])
except: pass
lst+=[new_req_lst[i][0]+[temp]]
temp=0 for i in range(len(lst)):
iflst[i][0][:3]=='CSE':
lst[i][1]=(lst[i][1]*100)/600
else:
lst[i][1]=(lst[i][1]*100)/500 for
i in range(len(lst)):
avg+=lst[i][1]
avg=int(avg//len(lst))
need[arg]=avg

xdata = list(need.keys())
ydata = list(need.values())

color_lst=['#C70039','#9BB1F2','#FFC300','#FF5733','#DAAFB1','#86B7C8']
fig,ax = plt.subplots() ax.set_facecolor("Black") fig.set_facecolor("Black")
ax.set_xlabel("X axis", color="white") ax.set_ylabel("Y
axis", color="white")
ax.spines["bottom"].set_color("white")
ax.spines["left"].set_color("white")
ax.spines['bottom'].set_linewidth(2)
ax.spines['left'].set_linewidth(2)
ax.xaxis.label.set_weight("heavy")
ax.yaxis.label.set_weight("heavy")
ax.tick_params(axis='x', labelcolor='white',
labelsize=10,color='white',width=2)
ax.tick_params(axis='y', labelcolor='white',
labelsize=10,color='white',width=2)

plt.barh(xdata,ydata,color=color_lst,height=0.3,align='center')

plt.title('Histogram of Average of Students
vsBatch',color='white',pad=17,fontweight='bold')
```

```
plt.xlabel('Average---------------->') plt.ylabel('Batch-----
----------->', labelpad=15) plt.show()
```

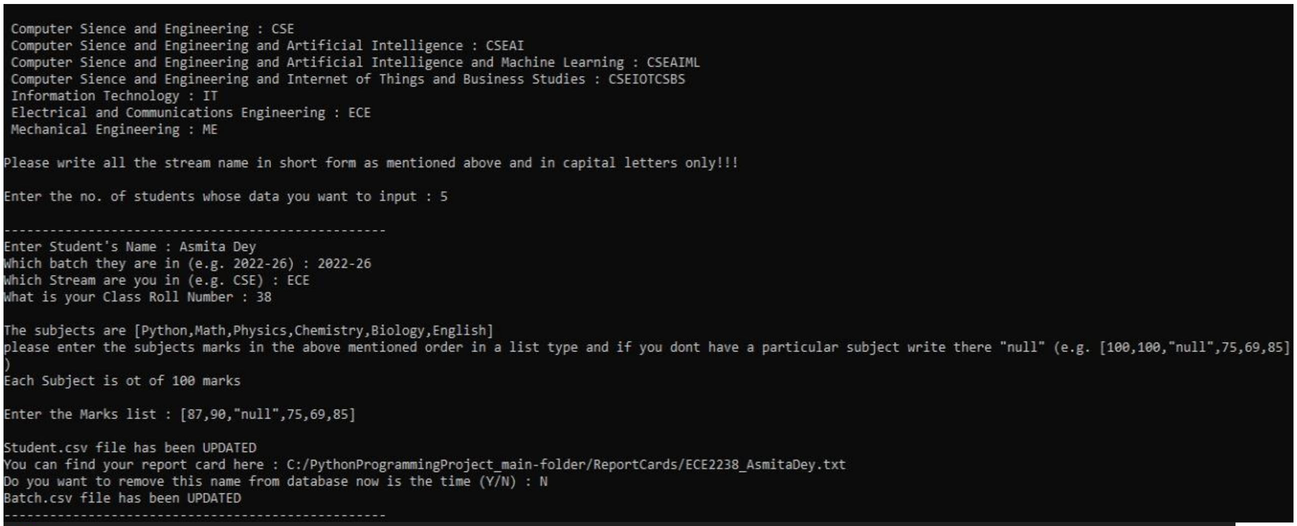
```
#Creation of Folder and all the Modules recquired...     try:
os.makedirs(f'{path}/ReportCards')
message=True except:
message=False

while message: createfile('Batch.csv',['Batch
ID','BatchName','DepartmentName','List of Courses','List of Students'])
createfile('Course.csv',['Course ID','CourseName','Marks Obtained'])
with open(f'{path}/Course.csv','a',newline=")as f: script=
csv.writer(f)
script.writerow(['C001','Python Programming'])
script.writerow(['C002','Math']) script.writerow(['C003','Physics'])
script.writerow(['C004','Chemistry'])
script.writerow(['C005','Biology'])
script.writerow(['C006','English'])
createfile('Department.csv',['Department
ID','DepartmentName','List of Batches']) with
open(f'{path}/Department.csv','a',newline=")as f: script=
csv.writer(f)
script.writerow(['CSE','ComputerSience and Engineering'])
script.writerow(['CSEAI','ComputerSience and Engineering and Artificial
Intelligence'])
script.writerow(['CSEAIML','ComputerSience and Engineering and Artificial
Intelligence and Machine Learning'])
script.writerow(['CSEIOTCSBS','ComputerSience and Engineering and
Internet of Things and Business Studies']) script.writerow(['IT','Information
Technology'])
script.writerow(['ECE','Electrical and Communications Engineering'])
script.writerow(['ME','Mechanical Engineering'])
createfile('Student.csv',['Student ID','Name','Class Roll Number','Batch ID'])
createfile('Examination.csv',['Course Name','StudentID','Marks']) break

print('\n','ComputerSience and Engineering : CSE','\n',
    'Computer Sience and Engineering and Artificial Intelligence : CSEAI','\n',
    'Computer Sience and Engineering and Artificial Intelligence and Machine
```

```
Learning : CSEAIML','\n',
     'Computer Sience and Engineering and Internet of Things and Business
Studies : CSEIOTCSBS','\n',
     'Information Technology : IT','\n',
     'Electrical and Communications Engineering : ECE','\n',
     'Mechanical Engineering : ME','\n')
print("Please write all the stream name in short form as mentioned above and
in capital letters only!!!") print()


student_no=int(input("Enter the no. of students whose data you want to input :
")) print() print('-'*50) for
i in range(student_no):
name=input("Enter Student's Name : ")
batch=input("Which batch they are in (e.g. 2022-26) : ")
stream=input("Which Stream are you in (e.g. CSE) : ") roll=input("What
is your Class Roll Number : ") batch_id=stream+batch[2:4]
student_id=batch_id+roll
batch_name=stream+batch

if duplicate('Student.csv',student_id,0): print("the
student is already present in the directory")
print(f"You can find your report card here :
{path}/ReportCards/{student_id}_{name}.txt") else:
print()
print("The subjects are [Python,Math,Physics,Chemistry,Biology,English]")
print('please enter the subjects marks in the above mentioned order in a list type
and if you dont have a particular subject write there "null" (e.g.
[100,100,"null",75,69,85])') print('Each
Subject is ot of 100 marks') print()
marks_lst=eval(input("Enter the Marks list : "))
total_marks=add(marks_lst) print()

with open(f"{path}/ReportCards/{student_id}_{".join(name.split())}.txt",'w')
as f:

f.writelines([f'Name of the student : {name} \n',
f'Class Roll of the student : {roll} \n', f'Stream
of the student : {stream} \n',
f'Your Student ID is : {student_id}\n',
                        '\n',
f'Marks obtained in Math is : {marks_lst[1]} \n', f'Marks
obtained in Python is : {marks_lst[0]} \n', f'Marks
obtained in Physics is : {marks_lst[2]} \n', f'Marks
obtained in Chemistry is : {marks_lst[3]} \n', f'Marks
obtained in Biology is : {marks_lst[4]} \n', f'Marks
obtained in English is : {marks_lst[5]} \n'])

f.write('\n')
f.write(f'You have got {total_marks} in total with
{percent(total_marks)}%\n')
f.write(grade(total_marks/count(marks_lst)))
createfile('Student.csv',[student_id,name,roll,batch_id]) print(f"You
can find your report card here :
{path}/ReportCards/{student_id}_{".join(name.split())}.txt")
openpath=f"{path}/ReportCards/{student_id}_{".join(name.split())}.txt"
subprocess.run(['start',openpath], shell=True)

ask=input("Do you want to remove this name from database now is the time
(Y/N) : ")

ifask.lower()=='n': if
duplicate('Batch.csv',batch_id,0): with
open(f'{path}/Batch.csv','r+',newline=") as f:
script=csv.reader(f) rows=[row for row in script]
for i in rows: ifbatch_id==i[0]:
rows[rows.index(i)][4]+=f':{student_id}' f.seek(0)
f.truncate() writer=csv.writer(f)
writer.writerows(rows)

print("Batch.csv has been updated") else:
createfile('Batch.csv',[batch_id,batch_name,stream,choice(stream),student_id]
)

with open(f'{path}/Course.csv','r+',newline=") as f:
script=csv.reader(f) rows=[row for row in script]
for i in range(len(rows)):
if i==0: pass else: try:
rows[i][2]+=f'{student_id}:{marks_lst[i-1]}-' except:
rows[i].append(f'{student_id}:{marks_lst[i-1]}-') f.seek(0)
```

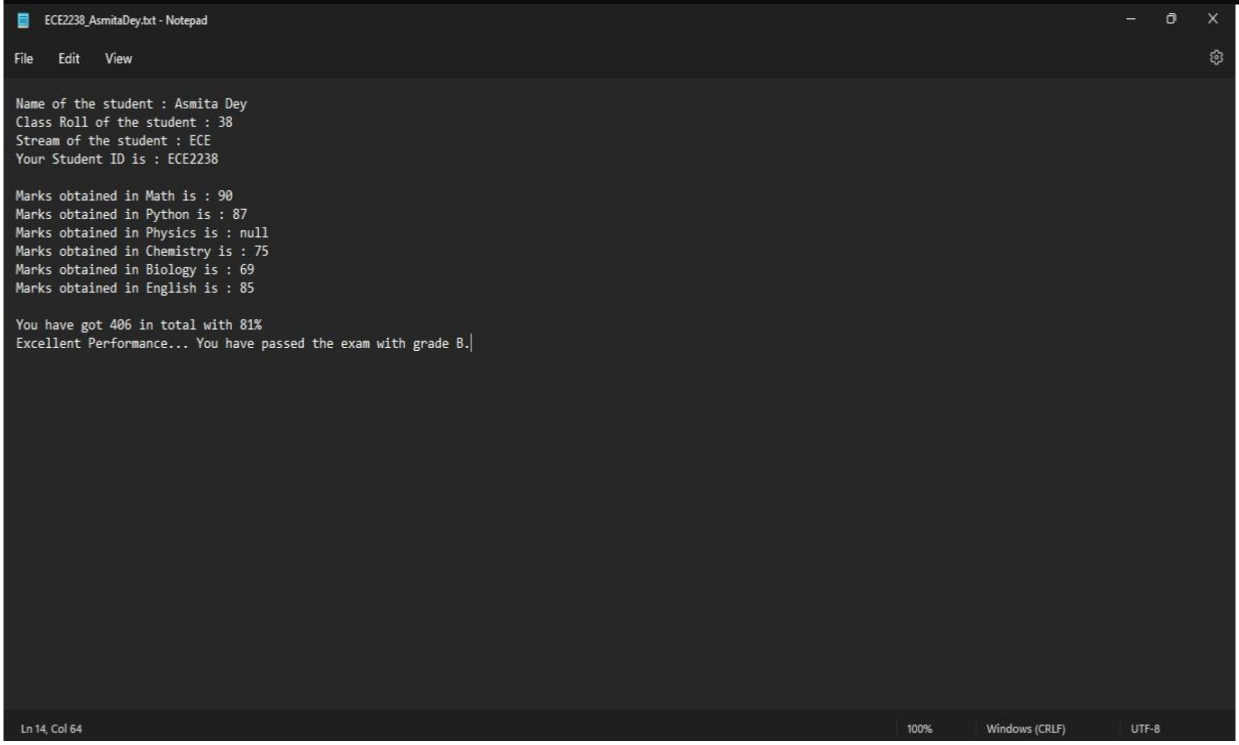
```
f.truncate()
writer=csv.writer(f)
writer.writerows(rows) else:
remove(student_id)
subprocess.call("TASKKILL /F /IM notepad.exe", shell=True)
os.remove(openpath)
print('Your details have been successfully removed from the directory') print('-
'*50)
print()
 try:            with
open(f'{path}/Department.csv','r+',newline=") as f:
script=csv.reader(f) rows=[row for row in script]
lst=get_batch() for i in lst: for j in rows: if i[0:-
2]==j[0]:
try: if i in
j[2]:
pass else:
rows[rows.index(j)][2]+=f'{i}:' except:
rows[rows.index(j)].append(f'{i}:')
break
f.seek(0)
f.truncate() writer=csv.writer(f)
writer.writerows(rows)

except:
print("Nothing to add in Department.csv")




#Creation of the Graphs...
print()
print("Give the details Below to see the Batchwise percent Graph")
batch=input("Which batch they are in (e.g. 2022-26) : ")
stream=input("Which Stream are they in (e.g. CSE) : ") print('Please
Close the Figure window after viewing to continue')
batch_id=stream+batch[2:4]

with open(f'{path}/Batch.csv','r') as f:
reader=csv.reader(f) batch=[batch[0]
for batch in reader] batch=batch[1:]
```

```
while True: ifbatch_id in batch: batch_graph(batch_id) break else:
print(f'details with {batch_id} this Batch ID is not in the directory')
ask=input("Do you want to continue (y/n) : ")
ifask.lower()=='y': batch=input("Which batch they are
in (e.g. 2022-26) : ") stream=input("Which Stream are
they in (e.g. CSE) : ") batch_id=stream+batch[2:4]
continue else: print('OK') break print()
print('The overall Course graph will come now') print('Please
Close the Figure window after viewing to continue')
loading_screen()
course_graph()
print() print()
print("The overall Department wise average graph will come now")
print('Please Close the Figure window after viewing to continue')
loading_screen()
department_graph()
print() print()

last=input("Press Enter to exit")
subprocess.call("TASKKILL /F /IM notepad.exe", shell=True)
```

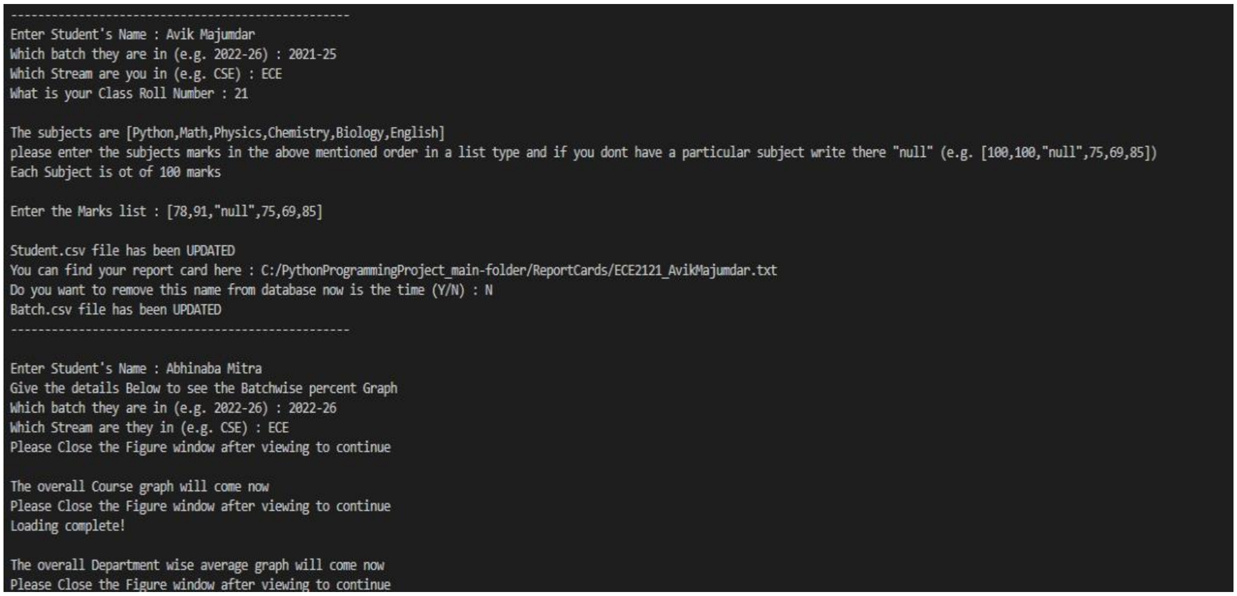
# 5. Output



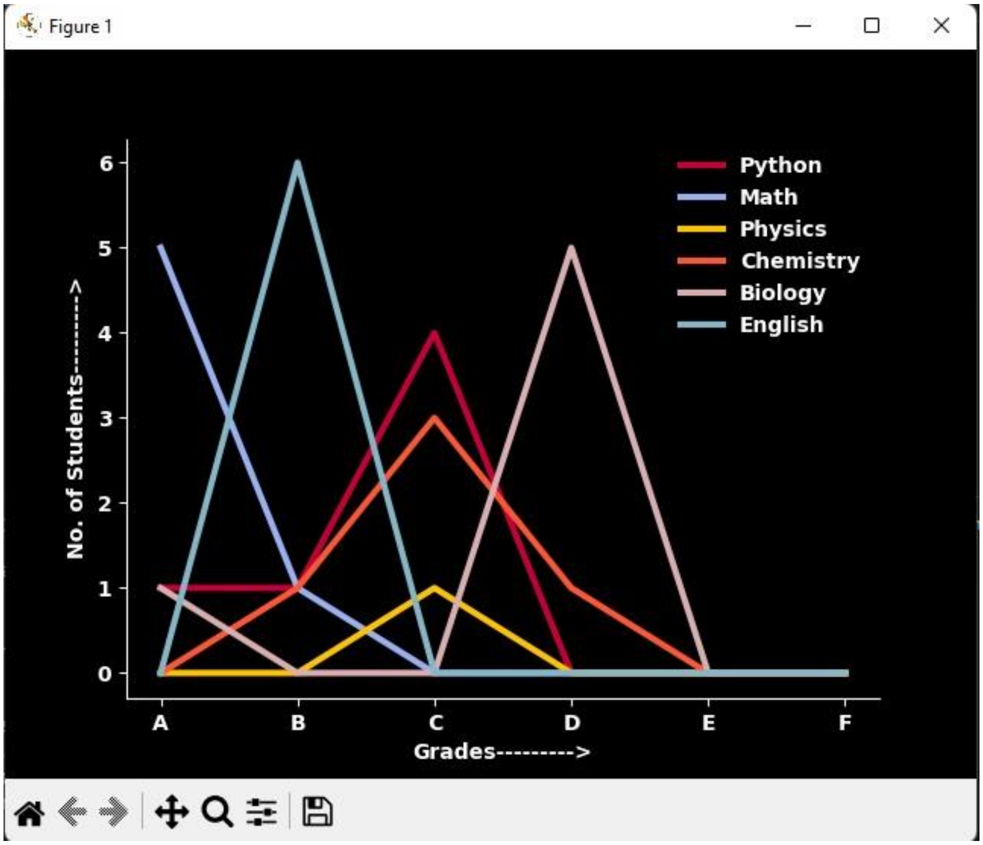
```
 Computer Sience and Engineering : CSE
 Computer Sience and Engineering and Artificial Intelligence : CSEAI
 Computer Sience and Engineering and Artificial Intelligence and Machine Learning : CSEAIML
 Computer Sience and Engineering and Internet of Things and Business Studies : CSEIOTCSBS
 Information Technology : IT
 Electrical and Communications Engineering : ECE
 Mechanical Engineering : ME

Please write all the stream name in short form as mentioned above and in capital letters only!!!

Enter the no. of students whose data you want to input : 5

--------------------------------------------------
Enter Student's Name : Asmita Dey
Which batch they are in (e.g. 2022-26) : 2022-26
Which Stream are you in (e.g. CSE) : ECE
What is your Class Roll Number : 38

The subjects are [Python,Math,Physics,Chemistry,Biology,English]
please enter the subjects marks in the above mentioned order in a list type and if you dont have a particular subject write there "null" (e.g. [100,100,"null",75,69,85]
)
Each Subject is ot of 100 marks

Enter the Marks list : [87,90,"null",75,69,85]

Student.csv file has been UPDATED
You can find your report card here : C:/PythonProgrammingProject_main-folder/ReportCards/ECE2238_AsmitaDey.txt
Do you want to remove this name from database now is the time (Y/N) : N
Batch.csv file has been UPDATED
--------------------------------------------------
```



```
Name of the student : Asmita Dey
Class Roll of the student : 38
Stream of the student : ECE
Your Student ID is : ECE2238

Marks obtained in Math is : 90
Marks obtained in Python is : 87
Marks obtained in Physics is : null
Marks obtained in Chemistry is : 75
Marks obtained in Biology is : 69
Marks obtained in English is : 85

You have got 406 in total with 81%
Excellent Performance... You have passed the exam with grade B.
```



```
-------------------------------------------------
Enter Student's Name : Avik Majumdar
Which batch they are in (e.g. 2022-26) : 2021-25
Which Stream are you in (e.g. CSE) : ECE
What is your Class Roll Number : 21

The subjects are [Python,Math,Physics,Chemistry,Biology,English]
please enter the subjects marks in the above mentioned order in a list type and if you dont have a particular subject write there "null" (e.g. [100,100,"null",75,69,85])
Each Subject is ot of 100 marks

Enter the Marks list : [78,91,"null",75,69,85]

Student.csv file has been UPDATED
You can find your report card here : C:/PythonProgrammingProject_main-folder/ReportCards/ECE2121_AvikMajumdar.txt
Do you want to remove this name from database now is the time (Y/N) : N
Batch.csv file has been UPDATED
-------------------------------------------------

Enter Student's Name : Abhinaba Mitra
Give the details Below to see the Batchwise percent Graph
Which batch they are in (e.g. 2022-26) : 2022-26
Which Stream are they in (e.g. CSE) : ECE
Please Close the Figure window after viewing to continue

The overall Course graph will come now
Please Close the Figure window after viewing to continue
Loading complete!

The overall Department wise average graph will come now
Please Close the Figure window after viewing to continue
```



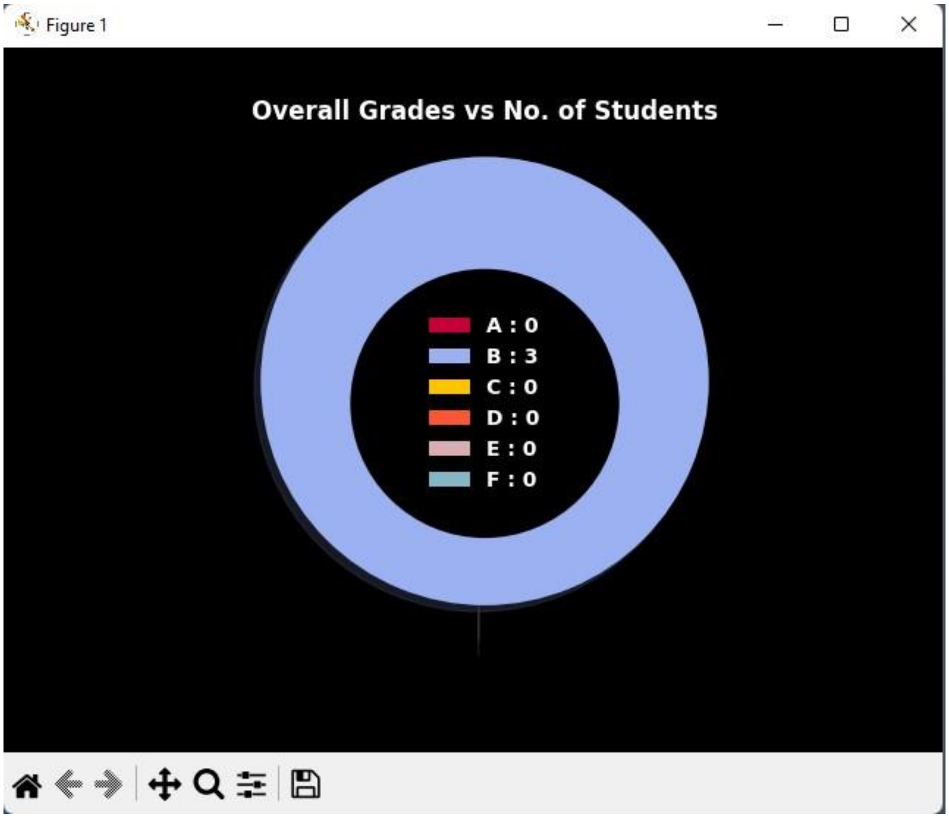


Figure 1
Overall Grades vs No. of Students
A : 0
B : 3
C : 0
D : 0
E : 0
F : 0

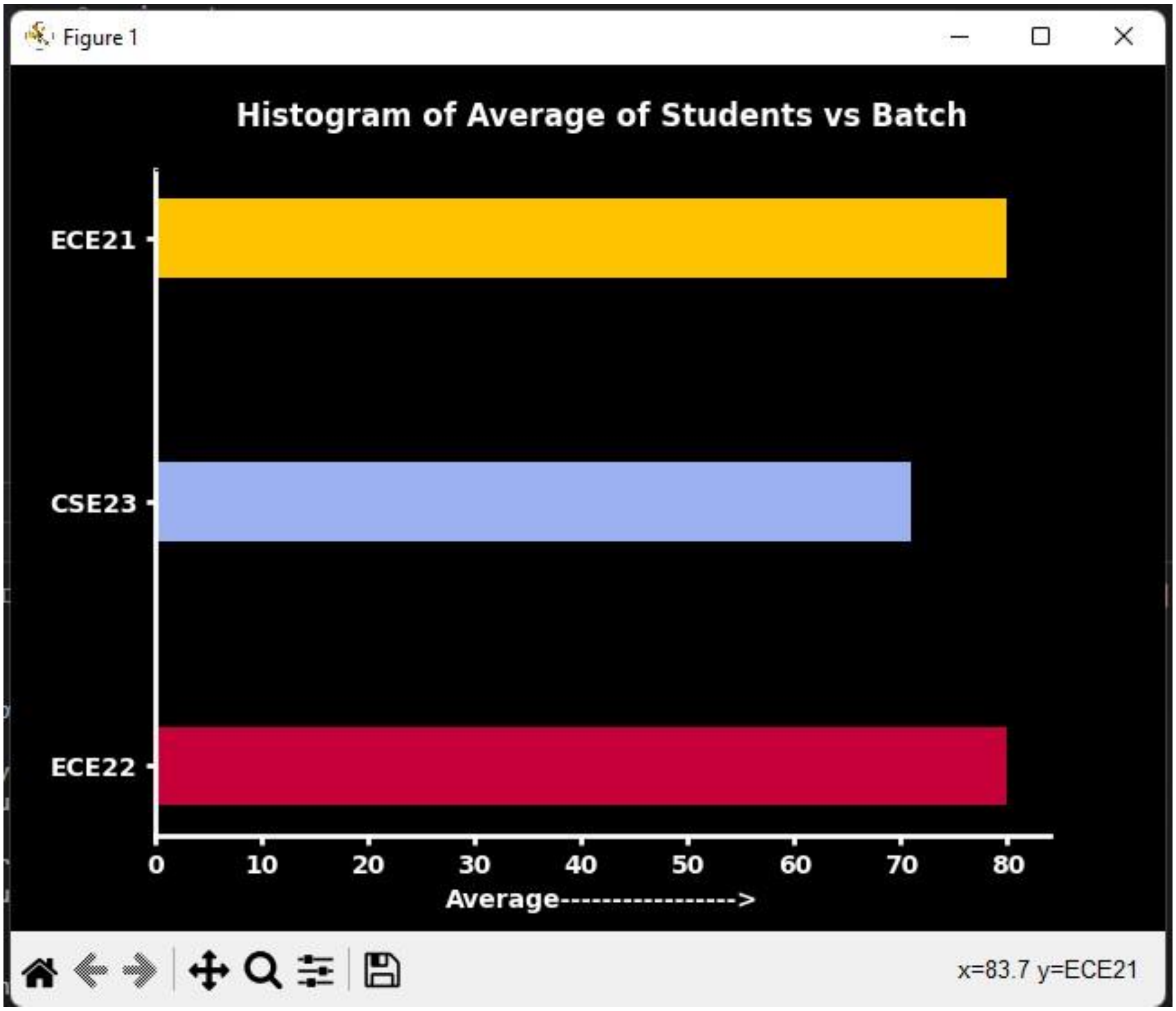


Figure 1
Histogram of Average of Students vs Batch
ECE21
CSE23
ECE22
0
10
20
30
40
50
60
70
80
Average---------------->
x=83.7 y=ECE21