SREENARAYANA PUBLIC SCHOOL GURUDEVAPURAM CHENKOTTUKONAM TRIVANDRUM



STUDENT REPORT CARD

Submitted by

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ROLL NUMBER:

Standard XII B

Submitted for the requirement of the completion of

AISSCE-MARCH 2022-2023

CENTRAL BOARD OF SECONDARY EDUCATION
NEW DELHI



CHENKOTTUKONAM, TRIVANDRUM

CERTIFICATE

This is to certify that the dissertation entitled "STUDENT REPORT CARD" submitted is a bonafied report of the work done by KRISHNAJA S, 12B for the fulfilment of AISSCE-MARCH 2022-2023 is the student of this School and this report has not been previously submitted elsewhere.

Teacher in Charge	Principal
_	
Examiner	

COMPUTER INVESTIGAORY PROJECT

STUDENT REPORT CARD

ACKNOWLEDGEMENT

I express my sincere gratitude to my supervising Computer Teacher Mrs.Pavithra Devi, Department of Computer Science, S.N. Public School, Gurudevapuram, Chenkottukonam, for giving me all the help to carry out this project work. I express my heartfelt gratitude to him for the valuable guidance, healthy criticisms, intellectual suggestions and continuous support for fortifying and enrich my knowledge on this topic and also for granting all the necessary infrastructural support and encouragement needed for the work.

I would also like to express my gratitude to our beloved Principal Mrs. Sreekala Madam; for the timely help and advice to complete this project.

I express my sincere gratitude to my family for their constant encouragement and support. I submit this work to the grace of God Almighty, for blessing me with health, confidence and knowledge to carry out the whole work successfully.

KRISHNAJA S

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INTRODUCTION

Python is an open source, object -oriented, high level programming language developed by Guido van Rossum. It is presently own by Python software foundation (PSF), python is based on the ABC language, a teaching language created to replacing the programming language, BASIC, which was developed earlier.

Python is a general-Purpose programming language that can be used efficiently to build any kind of programme that does not require direct access to the computer's hardware

Hardware and software specification

Hardware

Hard Disk: 500GB

Processor: Intel Pentium Processor G2010 2.80 GHz

Memory: 2GB

Software

Operating System: Microsoft Windows XP (64 bites)

Programming language: Python 3.6

Data Base : MySQL

SOURCE CODE

```
import mysql.connector
con=mysql.connector.connect(host="localhost",user="root",password="123456",database="report_card")
cur=con.cursor()
def school():
                 SREE NARAYANA PUBLIC SCHOOL
  print("
  print("
                GURUDEVAPURAM, CHENKOTTUKONAM ")
                      TRIVANDRUM
  print("
  print("-
def add_student():
  print("Add New Student Data")
  print(">>>>>>>)
  Admno=int(input(" Enter Admission number: "))
  Name=input(" Enter student name: ")
  Fname=input(" Enter father's name: ")
  Class=int(input(" Enter student class: "))
  Section=input(" Enter student section: ")
  Status=input(" Enter student status: ")
  f=(Admno,Name,Fname,Class,Section,Status)
  print("One student details added successfully \n")
  con.commit()
def add_mark():
   print("Add Mark Details")
   print(">>>>>>))
   Admno=int(input(" Enter Admission number: "))
   Term=input(" Enter term: ")
   Session=input(" Enter session: ")
   Physics=int(input(" Enter physics mark: "))
   Chemistry=int(input(" Enter chemistry mark: "))
   English=int(input(" Enter english mark: "))
   Biology=int(input(" Enter biology mark: "))
   Computer=int(input(" Enter computer mark: "))
   f=(Admno, Term, Session, Physics, Chemistry, English, Biology, Computer)
   print("One student's mark details added successfully \n")
   con.commit()
def modify_student():
   print("Modify student details")
   print(">>>>>>>))
   admno=int(input("Enter Admission number: "))
   print("\n1. Name")
   print("2. Father's Name")
   print("3. Class")
   print("4. Section")
   print("5. Status")
```

```
choice=int(input("Enter your choice: "))
  if choice==1:
     m=input("Enter new Name: ")
     s=(m,admno)
     q="""update student set Name=%s where Admno=%s"""
  if choice==2:
     m=input("Enter new Father's name: ")
     s=(m,admno)
     q="""update student set Fname=%s where Admno=%s"""
  if choice==3:
     m=input("Enter new Class: ")
     s=(m,admno)
     q="""update student set Class=%s where Admno=%s"""
  if choice==4:
     m=input("Enter new Section: ")
     s=(m,admno)
     q="""update student set Section=%s where Admno=%s"""
  if choice==5:
     m=input("Enter new Status: ")
     s=(m,admno)
     q="""update student set Status=%s where Admno=%s"""
  cur.execute(q,s)
  con.commit()
  print()
def modify_mark():
  print("Modify mark details")
  print(">>>>>>)
  admno=int(input("Enter Admission number: "))
  print("\n1. Term")
  print("2. Session")
  print("3. Physics")
  print("4. Chemistry")
  print("5. English")
  print("6. Biology")
  print("7. Computer")
  choice=int(input("Enter your choice: "))
  if choice==1:
     m=input("Enter new Term: ")
     s=(m,admno)
     q="""update mark set Term=%s where Admno=%s"""
  if choice==2:
     m=input("Enter new Session: ")
     s=(m,admno)
     q="""update mark set Session=%s where Admno=%s"""
  if choice==3:
     m=input("Enter new Physics mark: ")
     s=(m,admno)
     q="""update mark set Physics=%s where Admno=%s"""
```

```
if choice==4:
     m=input("Enter new Chemistry mark: ")
     s=(m,admno)
     q="""update mark set Chemistry=%s where Admno=%s"""
  if choice==5:
     m=input("Enter new English mark: ")
     s=(m,admno)
     q="""update mark set English=%s where Admno=%s"""
  if choice==6:
     m=input("Enter new Biology mark: ")
     s=(m,admno)
     q="""update mark set Biology=%s where Admno=%s"""
  if choice==7:
     m=input("Enter new Computer mark: ")
     s=(m,admno)
     q="""update mark set Computer=%s where Admno=%s"""
  cur.execute(q,s)
  con.commit()
  print()
def display_student():
  print("Display Student Details")
  print(">>>>>>)
  p=input("Enter Admission number: ")
  print()
  school()
  print("Admno
                     Name
                                   Father's Name Class Section
                                                                      Status")
  cur.execute('select* from student where Admno='+p+';')
  rec=cur.fetchall()
  for i in rec:
     print(i[O],"
                    ",i[1],"
                               ",i[2],"
                                          ",i[3],"
                                                     ",i[4],"
                                                                ",i[5])
def display_mark():
  print("Display Student Mark Details")
  print(">>>>>>>))
  print('1. Term wise')
  print('2. Session wise')
  print('3. All student details')
  print('4. All term mark of a student')
  choice=int(input("Enter your choice: "))
  print(">>>>>>)
  if choice==1:
     p=input("Enter Admission number: ")
     t=input("Enter Term: ")
```

school()

```
p=input("Enter Admission number: ")
     t=input("Enter Term: ")
     school()
     print("Admno
                        Term
                                  Session
                                               Physics
                                                           Chemistry
                                                                          English
                                                                                      Biology
                                                                                                  Computer
                                                                                                                 Total")
     q='select * from mark where Admno='+p+' and Term ="'+t+'";'
   if choice==2:
     s=input("Enter Session: ")
     school()
     print("Admno
                                                                                                                 Total")
                        Term
                                  Session
                                               Physics
                                                           Chemistry
                                                                          English
                                                                                      Biology
                                                                                                  Computer
     q='select * from mark where Session="'+s+'";'
  if choice==3:
     school()
                                                                          English
                                                                                      Biology
     print("Admno
                                                                                                                 Total")
                        Term
                                  Session
                                               Physics
                                                           Chemistry
                                                                                                  Computer
     q='select * from mark'
   if choice==4:
     p=input("Enter Admission number: ")
     s=input("Enter Session: ")
     school()
     print("Admno
                        Term
                                  Session
                                               Physics
                                                           Chemistry
                                                                          English
                                                                                                                 Total")
                                                                                      Biology
                                                                                                  Computer
     q='select * from mark where Session ="'+s+'" and Admno ='+p+';'
   cur.execute(q)
   rec=cur.fetchall()
   for i in rec:
                     ",i[1]," ",i[2],"
                                        ",i[3],"
                                                      ",i[4],"
                                                                   ",i[5],"
     print(i[0],"
                                                                                ",i[6],"
                                                                                               ",i[7],"
                                                                                                            ",i[4]+i[5]+i[6]+i[7])
def Progress_report():
  print("Display Termwise Report Details")
  print(">>>>>>>)
  a=input(" Enter Admission number: ")
  s=input(" Enter Session: ")
  c=input(" Enter Class: ")
  t=input(" Enter Term: ")
  q='select f.Admno,f.Name,m.Term,m.Session,f.Class,m.Physics,m.Chemistry,m.English,m.Biology,m.Computer from student f,
     mark m where m.Admno='+a+' and m.Session="'+s+" and f.class='+c+' and m.Term="'+t+" and m.Admno=f.Admno;'
  cur.execute(q)
  rec=cur.fetchone()
  total=0
  total=rec[5]+rec[6]+rec[9]
```

")

")

pr=(total/500)*100

print("\nAdmission Number
print("Student Name

print(" print("

print("

print(".print("

print("

print("Session

SREE NARAYANA PUBLIC SCHOOL

TRIVANDRUM

PROGRESS REPORT

GURUDEVAPURAM CHENKOTTUKONAM ")

", rec[0])

", rec[1]) ", rec[3])

```
print("Class
                            ", rec[4])
  print("Term
                          ", rec[2])
  print("-----
  print("Physics
                          ", rec[5])
                           ", rec[6])
  print("Chemistry
                           ", rec[7])
  print("English
                           ", rec[8])
  print("Biology
                           ", rec[9])
  print("Computer
  print("-----
                            ", rec[5])
  print("Total mark
                           ", rec[5])
  print("Percentage
while True:
  print("-----")
  print("\n Welcome To Student Report Card System \n")
  print('1. Add New Student Data')
  print('2. Add Mark Details')
  print('3. Modify Student Details')
  print('4. Modify Mark Details')
  print('5. Display Student Details')
  print('6. Display Studentwise Details')
  print('7. Display Termwise Report details')
  print('8. EXIT \n')
  ch=int(input("Enter your choice: "))
  if ch==1:
    add_student()
  if ch==2:
    add_mark()
  if ch==3:
    modify_student()
  if ch==4:
    modify_mark()
  if ch==5:
    display_student()
  if ch==6:
    display_mark()
  if ch==7:
    Progress_report()
  if ch==8:
    print("THANK YOU")
    break
```

OUTPUT

Welcome To Student Report Card System

- 1. Add New Student Data
- 2. Add Mark Details
- 3. Modify Student Details
- 4. Modify Mark Details
- 5. Display Student Details
- 6. Display Studentwise Details
- 7. Display Termwise Report details
- 8. EXIT

Enter your choice: 1 Add New Student Data >>>>>>>

Enter Admission number: 1254 Enter student name: Leena Enter father's name: Arora Enter student class: 11 Enter student section: C Enter student status: ACTIVE One student details added successfully

Welcome To Student Report Card System

- 1. Add New Student Data
- 2. Add Mark Details
- 3. Modify Student Details
- 4. Modify Mark Details
- 5. Display Student Details
- 6. Display Studentwise Details
- 7. Display Termwise Report details
- 8. EXIT

Enter your choice: 2 Add Mark Details >>>>>>

Enter Admission number: 1254

Enter term: FA-1 Enter session: 2022-23 Enter physics mark: 96 Enter chemistry mark: 87 Enter english mark: 92 Enter biology mark: 85 Enter computer mark: 93

One student's mark details added successfully

Welcome To Student Report Card System

- 1. Add New Student Data
- 2. Add Mark Details
- 3. Modify Student Details
- 4. Modify Mark Details
- 5. Display Student Details
- 6. Display Studentwise Details
- 7. Display Termwise Report details
- 8. EXIT

Enter your choice: 3 Modify student details

Enter Admission number: 1231

- 1. Name
- 2. Father's Name
- 3. Class
- 4. Section
- 5. Status

Enter your choice: 5

Enter new Status: INACTIVE

Welcome To Student Report Card System

- 1. Add New Student Data
- 2. Add Mark Details
- 3. Modify Student Details
- 4. Modify Mark Details
- 5. Display Student Details
- 6. Display Studentwise Details7. Display Termwise Report details
- 8. EXIT

Enter your choice: 4 Modify mark details

Enter Admission number: 1502

- 1. Term
- 2. Session
- 3. Physics
- 4. Chemistry
- 5. English
- 6. Biology
- 7. Computer

Enter your choice: 4

Enter new Chemistry mark: 97

.....

Welcome To Student Report Card System

- 1. Add New Student Data
- 2. Add Mark Details
- 3. Modify Student Details
- 4. Modify Mark Details
- 5. Display Student Details
- 6. Display Studentwise Details
- 7. Display Termwise Report details
- 8. EXIT

Enter your choice: 5
Display Student Details

Enter Admission number: 1357

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Admno Name Father's Name Class Section Status
1357 Vaisakh Pradeep 11 B INACTIVE

Welcome To Student Report Card System

- 1. Add New Student Data
- 2. Add Mark Details
- 3. Modify Student Details
- 4. Modify Mark Details
- 5. Display Student Details
- 6. Display Studentwise Details
- 7. Display Termwise Report details
- 8. EXIT

Enter your choice: 6
Display Student Mark Details

- 1. Term wise
- 2. Session wise
- 3. All student details
- 4. All term mark of a student

Enter your choice: 3

SREE NARAYANA PUBLIC SCHOOL GURUDEVAPURAM, CHENKOTTUKONAM TRIVANDRUM

Admno	Term	Session	Physics	Chemist	try	English	Biology	Computer	Total
1425	FA-1	2022-23	85	98	72	90	87	347	
1231	FA-1	2022-23	76	87	90	92	70	339	
1231	FA-2	2022-23	90	94	85	84	91	354	
1502	FA-2	2022-23	75	97	97	90	95	379	
1357	FA-2	2022-23	89	74	80	90	81	325	
1378	FA-1	2022-23	95	90	86	84	93	353	
1502	FA-1	2022-23	80	97	84	95	90	366	
1194	FA-1	2022-23	79	83	76	85	80	324	
1425	FA-2	2022-23	87	79	85	91	90	345	
1378	FA-2	2022-23	90	78	85	92	99	354	
1357	FA-1	2022-23	97	83	92	87	98	360	
1254	FA-1	2022-23	96	87	92	85	93	357	
1194	FA-2	2022-23	72	77	81	94	82	334	
1254	FA-2	2022-23	83	92	88	94	95	369	

Welcome To Student Report Card System

- 1. Add New Student Data
- 2. Add Mark Details
- 3. Modify Student Details
- 4. Modify Mark Details
- 5. Display Student Details
- 6. Display Studentwise Details
- 7. Display Termwise Report details
- 8. EXIT

Enter your choice: 7

Display Termwise Report Details

»»»»»»»»»

Enter Admission number: 1425

Enter Session: 2022-23

Enter Class: 12 Enter Term: FA-1

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PROGRESS REPORT

Admission Number	1425
Student Name	Shreya
Session	2022-23
Class	12
Term	FA-1
Physics	85
Chemistry	98
English	72
Biology	90
Computer	87
Total mark	85
Percentage	85

Welcome To Student Report Card System

- 1. Add New Student Data
- 2. Add Mark Details
- 3. Modify Student Details
- 4. Modify Mark Details
- 5. Display Student Details
- 6. Display Studentwise Details
- 7. Display Termwise Report details
- 8. EXIT

Enter your choice: 8

THANK YOU

>>>

DATABASE DESIGN

mysql> use report_card; Database changed mysql> desc student;

Field	Туре	Null	Key	Default	Extra
Admno Name Fname Class Section Status	int varchar(20) varchar(20) int varchar(5) varchar(15)	YES YES YES YES YES YES		NULL NULL NULL NULL NULL	

6 rows in set (0.40 sec)

mysql> desc mark;

Field	Туре	Null	Key		Extra
Admno Term Session Physics Chemistry English Biology Computer	int varchar(15) varchar(15) int int int int int int	YES YES YES YES YES YES YES YES		NULL NULL NULL NULL NULL NULL NULL NULL	

8 rows in set (0.00 sec)

mysql> select * from student;

-						
į	Admno	Name	Fname	Class	Section	Status
	1231 1425 1357 1378 1502 1194 1254	Ankit Shreya Vaisakh Payal Radhika Vikas Leena	Sharma Anand Pradeep Goel Gupta Verma Arora	12 12 11 11 12 12	A C B B A B	INACTIVE ACTIVE INACTIVE INACTIVE INACTIVE ACTIVE
_						

7 rows in set (0.00 sec)

mysql> select * from mark;

+		+	+	+	+	+	+	+
ļ	Admno	Term	Session	Physics	Chemistry	English	Biology	Computer
i	1425	FA-1	2022-23	85	98	72	90	87
ı	1231	FA-1	2022-23	76	87	90	92	70
j	1231	FA-2	2022-23	90	94	85	84	91
j	1502	FA-2	2022-23	75	97	97	90	95
j	1357	FA-2	2022-23	89	74	80	90	81
ĺ	1378	FA-1	2022-23	95	90	86	84	93
ı	1502	FA-1	2022-23	80	97	84	95	90
j	1194	FA-1	2022-23	79	83	76	85	80
ı	1425	FA-2	2022-23	87	79	85	91	90
j	1378	FA-2	2022-23	90	78	85	92	99
j	1357	FA-1	2022-23	97	83	92	87	98
j	1254	FA-1	2022-23	96	87	92	85	93
j	1194	FA-2	2022-23	72	77	81	94	82
j	1254	FA-2	2022-23	83	92	88	94	95
+		+			+			

14 rows in set (0.00 sec)

BIBLIOGRAPHY

TEXT BOOK FOR CLASS XII: PREETI ARORA

PYTHON TUTORIAL: GOOGLE