

**SREENARAYANA PUBLIC SCHOOL
GURUDEVAPURAM
CHENKOTTUKONAM
TRIVANDRUM**



STUDENT REPORT CARD

Submitted by

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CENTRAL BOARD OF SECONDARY EDUCATION

NEW DELHI



SREE NARAYANA PUBLIC SCHOOL

GURUDEVAPURAM

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 INVESTIGATORY PROJECT

STUDENT REPORT CARD

ACKNOWLEDGEMENT

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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():
    print("          SREE NARAYANA PUBLIC SCHOOL      ")
    print("          GURUDEVAPURAM, CHENKOTTUKONAM   ")
    print("          TRIVANDRUM              ")
    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)
    cur.execute("""insert into student(Admno,Name,Fname,Class,Section,Status)values(%s,%s,%s,%s,%s,%s)""" ,f)
    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)
    cur.execute("""insert into mark(Admno,Term,Session,Physics,Chemistry,English,Biology,Computer)values(%s,%s,%s,%s,%s,%s,%s,%s)""" ,f)
    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")
```



```

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      Term      Session      Physics      Chemistry      English      Biology      Computer      Total")
    q='select * from mark where Session="'+s+'";'
if choice==3:
    school()
    print("Admno      Term      Session      Physics      Chemistry      English      Biology      Computer      Total")
    q='select * from mark'
if choice==4:
    p=input("Enter Admission number: ")
    s=input("Enter Session: ")
    school()
    print("Admno      Term      Session      Physics      Chemistry      English      Biology      Computer      Total")
    q='select * from mark where Session="'+s+' and Admno="'+p+'; '
cur.execute(q)
rec=cur.fetchall()
for i in rec:
    print(i[0],"      ",i[1],"      ",i[2],"      ",i[3],"      ",i[4],"      ",i[5],"      ",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("          SREE NARAYANA PUBLIC SCHOOL      ")
    print("          GURUDEVAPURAM, CHENKOTTUKONAM  ")
    print("          TRIVANDRUM      ")
    print("-----")
    print("          PROGRESS REPORT      ")
    print("-----")
    print("\nAdmission Number      ", rec[0])
    print("Student Name      ", rec[1])
    print("Session      ", rec[3])

```

```

print("Class", rec[4])
print("Term", rec[2])
print("-----")
print("Physics", rec[5])
print("Chemistry", rec[6])
print("English", rec[7])
print("Biology", rec[8])
print("Computer", rec[9])
print("-----")
print("Total mark", rec[5])
print("Percentage", rec[5])
while True:
    print("-----")
    print("\n Welcome To Student Report Card System \n")
    print("-----")
    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

Admno	Term	Session	Physics	Chemistry	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

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

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SREE NARAYANA PUBLIC SCHOOL
GURUDEVAPURAM, CHENKOTTUKONAM
TRIVANDRUM

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

```
6 rows in set (0.40 sec)
```

```
mysql> desc mark;
```

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

```
8 rows in set (0.00 sec)
```

```
mysql> select * from student;
```

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

7 rows in set (0.00 sec)

```
mysql> select * from mark;
```

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

14 rows in set (0.00 sec)

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TEXT BOOK FOR CLASS XII: PREETI ARORA

PYTHON TUTORIAL: GOOGLE