# 

# INTRODUCTION

This project **STUDENT REPORT CARD SYSTEM** includes facilities of registration, search, display, modification, deletion of student information about the marks and their name and rolls number. This software searches the student information on the basis of roll number which is store in the record.

The software used for small schools for maintaining their records related to report card and marks of student and cost savings.

# ACKNOWLEDGEMENT

*I would like to convey my heartful thanks to ……………………….. (Computer Science) who always gave valuable suggestions & guidance for completion of my project.*

*He helped me to understand & remember important details of the project. My project has been a success only because of his guidance.*

*I am especially indented & I am also beholden to my friends. And finally I thank to the members of my family for their support & encouragement.*

Report\_Card\_Mysql.py CODE

**# project name : student report card maker**

**# made by : rakesh kumar**

**# session : your session id**

**# roll no : your roll no**

**import mysql.connector**

**from prettytable import PrettyTable**

**# global variable for report**

**school\_name ='suditi global academy'**

**school\_address ='Garhijafar, Uttar Pradesh 283204'**

**school\_email = 'jdeep8033@gmail.com'**

**school\_phone ='612345678'**

**def clear():**

**for \_ in range(65):**

**print()**

**def add\_student():**

**conn = mysql.connector.connect(**

**host='localhost', database='report\_card', user='root', password='')**

**cursor = conn.cursor()**

**clear()**

**print('Add New Student Screen')**

**print('-'\*120)**

**name = input('Enter student Name : ')**

**fname = input('Enter student Father Name : ')**

**clas = input('Enter student Class : ')**

**section = input('Enter student section : ')**

**sql ='insert into student(name,fname,class,section,status) values ("'+name+'","'+fname+'","'+clas+'","'+section+'","active");'**

**cursor.execute(sql)**

**conn.close()**

**print('\n\n\n New Student added successfully.....')**

**wait=input('\n\n\nPress any key to continue...')**

**def add\_marks():**

**conn = mysql.connector.connect(**

**host='localhost', database='report\_card', user='root', password='')**

**cursor = conn.cursor()**

**clear()**

**print('Add New marks Screen')**

**print('-'\*120)**

**admno = input('Enter admission NO :')**

**term = input('Enter TERM Name : ')**

**session = input('Enter session : ')**

**phy = input('Enter marks in Physics : ')**

**chem = input('Enter marks in Chemistry : ')**

**math = input('Enter marks in maths : ')**

**eng = input('Enter marks in English : ')**

**comp = input('Enter marks in Computer : ')**

**sql = 'insert into marks(admno,term,session,phy,chem,math,eng,comp) values (' + \**

**admno+',"'+term+'","'+session+'",'+phy+','+chem+','+math+','+eng+','+comp+');'**

**cursor.execute(sql)**

**conn.close()**

**print('\n\n\n New Marks added successfully.....')**

**wait = input('\n\n\nPress any key to continue...')**

**def modify\_student():**

**conn = mysql.connector.connect(**

**host='localhost', database='report\_card', user='root', password='')**

**cursor = conn.cursor()**

**clear()**

**print('Modify Student Information - Screen')**

**print('-'\*120)**

**admno = input('Enter admission No :')**

**print('\n1. Name ')**

**print('\n2. Father Name ')**

**print('\n3. Class ')**

**print('\n4. Section ')**

**print('\n\n')**

**choice = int(input('Enter your choice :'))**

**field=''**

**if choice ==1:**

**field ='name'**

**if choice == 2:**

**field = 'fname'**

**if choice == 3:**

**field = 'class'**

**if choice == 4:**

**field = 'section'**

**value =input('Enter new value :')**

**sql ='update student set '+field+' ="'+value +'" where admno ='+admno+';'**

**cursor.execute(sql)**

**conn.close()**

**print('\n\n\n Student Record Updated.....')**

**wait = input('\n\n\nPress any key to continue......')**

**def modify\_marks():**

**conn = mysql.connector.connect(**

**host='localhost', database='report\_card', user='root', password='')**

**cursor = conn.cursor()**

**clear()**

**print('Modify Marks - Screen')**

**print('-'\*120)**

**admno = input('Enter admission No :')**

**term = input('Enter Term :')**

**session = input('Enter Session :')**

**print('\n1. Physics ')**

**print('\n2. Chemistry ')**

**print('\n3. Mathematics ')**

**print('\n4. English ')**

**print('\n4. Computer ')**

**print('\n\n')**

**choice = int(input('Enter your choice :'))**

**field = ''**

**if choice == 1:**

**field = 'phy'**

**if choice == 2:**

**field = 'chem'**

**if choice == 3:**

**field = 'math'**

**if choice == 4:**

**field = 'eng'**

**if choice == 5:**

**field = 'comp'**

**value = input('Enter new value :')**

**sql = 'update marks set '+field+' ='+value + ' where admno ='+admno+' AND term="'+term+'" AND session="'+session+'";'**

**cursor.execute(sql)**

**conn.close()**

**print('\n\n\n Marks Updated.....')**

**wait = input('\n\n\nPress any key to continue......')**

**def search\_student(field):**

**conn = mysql.connector.connect(**

**host='localhost', database='report\_card', user='root', password='')**

**cursor = conn.cursor()**

**sql ='select \* from student where '**

**msg ='Enter '+field +' :'**

**value = input(msg)**

**if field=='admno':**

**sql = sql + field +'=' +value+';'**

**else:**

**sql = sql + field +' like "%'+value+'%" or fname like "%'+value +'%";'**

**cursor.execute(sql)**

**records = cursor.fetchall()**

**clear()**

**print('Search Result for '+field+' : '+value)**

**print('-'\*120)**

**for record in records:**

**print(record)**

**conn.close()**

**wait = input('\n\n\n Press any key to continue.....')**

**def search\_marks():**

**conn = mysql.connector.connect(**

**host='localhost', database='report\_card', user='root', password='')**

**cursor = conn.cursor()**

**admno = input('Enter admission No :')**

**session = input('Enter Session :')**

**sql ='select \* from marks where admno = '+admno + ' and session ="'+session+'";'**

**cursor.execute(sql)**

**records = cursor.fetchall()**

**clear()**

**print('Search Result for Admission No :'+admno +' Session : '+session)**

**print('-'\*120)**

**for record in records:**

**print(record)**

**conn.close()**

**wait = input('\n\n\n Press any key to continue.....')**

**def search\_menu():**

**while True:**

**clear()**

**print(' S E A R C H M E N U')**

**print('-'\*120)**

**print("\n1. Admission No")**

**print('\n2. Name / Father Name')**

**print('\n3. Student Term Marks')**

**print('\n4. back to main')**

**print('\n\n')**

**choice = int(input('Enter your choice ...: '))**

**field=''**

**if choice == 1:**

**field='admno'**

**search\_student(field)**

**if choice == 2:**

**field='name'**

**search\_student(field)**

**if choice == 3:**

**search\_marks()**

**if choice == 4:**

**break**

**def report\_single\_term():**

**conn = mysql.connector.connect(**

**host='localhost', database='report\_card', user='root', password='')**

**cursor = conn.cursor()**

**admno = input('Enter admission No :')**

**session = input('Enter Session :')**

**term = input('Enter term :')**

**sql ='select s.admno,name,fname,phy,math,chem,eng,comp from \**

**student s,marks m where s.admno = m.admno and s.admno = '+admno +' and m.session = "'+session+'" and m.term ="'+term+'";'**

**cursor.execute(sql)**

**record = cursor.fetchone()**

**clear()**

**print(school\_name)**

**print(school\_address)**

**print('Phone :',school\_phone ,' Email :', school\_email)**

**print('-'\*120)**

**print('Admno :',record[0],' Name :',record[1], ' Father Name :',record[2])**

**print('Session :', session, ' Term :', term)**

**print('-'\*120)**

**print('Subject',' Max\_marks','min-marks','marks obtained')**

**print('Phy','100','33',record[3])**

**print('Chemistry','100','33',record[4])**

**print('Mathematics','100','33',record[5])**

**print('English','100','33',record[6])**

**print('Computer','100','33',record[7])**

**print('-'\*120)**

**total = record[3]+record[4]+record[5]+record[6]+record[7]**

**percentage = total\*100/500**

**print('Total Marks : ',total,'% Marks :',percentage)**

**conn.close()**

**wait = input('\n\n\n Press any key to continue.....')**

**def report\_whole\_class():**

**conn = mysql.connector.connect(**

**host='localhost', database='report\_card', user='root', password='')**

**cursor = conn.cursor()**

**clas = input('Enter Class :')**

**section =input ('Enter section :')**

**session = input('Enter Session :')**

**term = input('Enter term :')**

**sql ='select s.admno,name,fname,phy,math,chem,eng,comp from \**

**student s, marks m where s.admno = m.admno AND s.class="'+clas+'" AND s.section ="'+section +'" and m.session = "'+session+'" and m.term ="'+term+'";'**

**cursor.execute(sql)**

**records = cursor.fetchall()**

**clear()**

**print(school\_name)**

**print(school\_address)**

**print('Phone :',school\_phone ,' Email :', school\_email)**

**print('-'\*120)**

**print('Class Wise Report Card:',clas,'-',section, 'Session : ',session, ' Term :',term)**

**print('-'\*120)**

**t = PrettyTable(['admno', 'Name', 'Father Name', 'Phy', 'Chem', 'Math','Eng','Comp','Total'])**

**for idr, name, fname, phy,chem,math,eng,comp in records:**

**total = phy+chem+math+eng+comp**

**t.add\_row([idr, name, fname, phy, chem, math, eng, comp,total])**

**print(t)**

**conn.close()**

**wait = input('\n\n\n Press any key to continue.....')**

**def report\_whole\_session():**

**conn = mysql.connector.connect(**

**host='localhost', database='report\_card', user='root', password='')**

**cursor = conn.cursor()**

**session = input('Enter Session :')**

**sql = 'select s.admno,name,fname,class, section,term,phy,math,chem,eng,comp from \**

**student s, marks m where s.admno = m.admno and m.session = "'+session+'" ORDER BY class,section,term;'**

**cursor.execute(sql)**

**records = cursor.fetchall()**

**clear()**

**print(school\_name)**

**print(school\_address)**

**print('Phone :', school\_phone, ' Email :', school\_email,'\n\n')**

**print('Whole Session Report Card:', ' Session : ', session)**

**print('-'\*120)**

**t = PrettyTable(['admno', 'Name', 'Father Name','Class','section','Term', 'Phy',**

**'Chem', 'Math', 'Eng', 'Comp', 'Total'])**

**for idr, name, fname,clas1,section, term, phy, chem, math, eng, comp in records:**

**total = phy+chem+math+eng+comp**

**t.add\_row([idr, name, fname,clas1, section, term, phy, chem, math, eng, comp, total])**

**print(t)**

**conn.close()**

**wait = input('\n\n\n Press any key to continue.....')**

**def report\_topper\_list():**

**conn = mysql.connector.connect(**

**host='localhost', database='report\_card', user='root', password='')**

**cursor = conn.cursor()**

**session = input('Enter Session :')**

**term = input('Enter Term :')**

**clas= input('Enter class :')**

**section= input('Enter section :')**

**sql = 'select s.admno, name, fname,phy,chem,math,eng,comp, phy+chem+math+eng+comp "Total" from student s, marks m \**

**where s.admno = m.admno and class = "'+clas+'" and section = "'+section+'" and session ="'+session+'" and term="'+term+'" order by total Desc;'**

**cursor.execute(sql)**

**records = cursor.fetchall()**

**clear()**

**print(school\_name)**

**print(school\_address)**

**print('Phone :', school\_phone, ' Email :', school\_email, '\n\n')**

**print('T O P P E R S L I S T \n\n Class :',clas,' Session : ', session, ' Term :',term)**

**#print('-'\*120)**

**t = PrettyTable(['admno', 'Name', 'Father Name', 'Physics', 'Chemistry', 'Mathematics','English','Computer', 'Total'])**

**for idr, name, fname, phy, chem, math, eng, comp, total in records:**

**t.add\_row([idr, name, fname, phy, chem, math, eng, comp,total])**

**print(t)**

**conn.close()**

**wait = input('\n\n\n Press any key to continue.....')**

**def report\_menu():**

**while True:**

**clear()**

**print(' R E P O R T M E N U ')**

**print("\n1. Single Term report card")**

**print('\n2. Whole class report card')**

**print('\n3. Whole Session report Card ')**

**print('\n4. Class Wise- Toppers')**

**print('\n5. Back to main menu')**

**print('\n\n')**

**choice = int(input('Enter your choice ...: '))**

**if choice == 1:**

**report\_single\_term()**

**if choice == 2:**

**report\_whole\_class()**

**if choice == 3:**

**report\_whole\_session()**

**if choice == 4:**

**report\_topper\_list()**

**if choice == 5:**

**break**

**def main\_menu():**

**while True:**

**clear()**

**print(' R E P O R T C A R D M E N U ')**

**print("\n1. Add Student")**

**print('\n2. Modify Student Record')**

**print('\n3. Add marks')**

**print('\n4. Modify Marks')**

**print('\n5. Search Menu')**

**print('\n6. Report Menu')**

**print('\n7. Close application')**

**print('\n\n')**

**choice = int(input('Enter your choice ...: '))**

**if choice == 1:**

**add\_student()**

**if choice == 2:**

**modify\_student()**

**if choice == 3:**

**add\_marks()**

**if choice == 4:**

**modify\_marks()**

**if choice == 5:**

**search\_menu()**

**if choice == 6:**

**report\_menu()**

**if choice == 7:**

**break**

**if \_\_name\_\_ == "\_\_main\_\_":**

**main\_menu()**

# **REQUIREMENTS**

**HARDWARE REQUIRED**

* Printer, to print the required documents of the project
* Compact Drive
* Processor : intel
* Ram : 512 MB or more than 512MB
* Harddisk : 80 GB or more than 80GB.

**SOFTWARE REQUIRED**

* Operating system : Windows XP
* Turbo C++, for execution of program and Ms word, for presentation of output.

# ADVANTAGES

* We can edit the marks of the student easily and generate the report again
* It save the time of the teacher to calculate the percentage and the grade or rank and pass or fail
* This software reduces paper work.
* It is easy to handle student’s record.
* This software saves the time.
* Information of each student stores permanently.

# 

# DISADVANTAGES

* This system suitable for only small schools.
* Online facility is not available.
* Though we have completed this project with all our effort but has certain limitation like it cannot be operated in networking, the working of project is slow.

# CONCLUSION

This software is efficient in maintaining student’s details and can easily perform operations on student’s records. This software also reduces the work load of the of teachers in school as all the details are store in computer system and whenever the detail marks of student needed it can be searched and displayed on the screen.

In future, this system can launch on a web portal for easy online entry of students details and marks and student and their parents can login and check the marks and download the reports of their children.

# SYSTEM DESIGN

Then we began with the design phase of the system. System design is a solution, a “HOW TO” approach to the creation of a new system. It translates system requirements into ways by which they can be made operational. It is a translational from a user **oriented document** to a document oriented programmers. For that, it provides the understanding and procedural details necessary for the implementation. Here we use Flowchart to supplement the working of the new system. The system thus made should be reliable, durable and above all should have least possible maintenance costs. It should overcome all the drawbacks of the Old existing system and most important ofall meet the user requirements.

START

report card

1-

administrator

2-

exit

3-

If choice= 1

If choice=2

If choice =3

then

STOP

Report card of the student

Create the student

details/SEARCH/EDIT/DELETE

QUIT