STUDENT MANAGEMENT SYSTEM

By AAKASH DEEP KUMAR

Project report submitted on student management system

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CLASS : XII - A
ROLL NO. : 18
SUBJECT : COMPUTER SCIENCE

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UNDERTAKING

We declare that the work presented in this project titled **STUDENT MANAGEMENT**, submitted to **GULSHAN KUMAR HANS PGT**- Computer Science, Kendriya Vidyalaya NANDED for the award of the CBSE – AISSCE class XII certificate. I have not plagiarized or submitted the same work for the award of any other examination. In case this undertaking is found incorrect, we accept that our Certificates may be unconditionally withdrawn.

CERTIFICATE

THIS IS TO CERTIFY THAT **AAKASH DEEP KUMAR**, A STUDENT OF CLASS **XII-A** IS SUCCESSFULLY COMPLETED THAT PROJECT TITLED "**STUDENT MANAGEMENT SYSTEM**" UNDER THE GUIDANCE OF **MR. GULSHAN KUMAR HANS** (SUBJECT TEACHER) DURING THE ACADEMIC YEAR **2021-2022** IN PARTIAL FULFILLMENT OF COMPUTER SCIENCE PRACTICAL EXAMINATION CONDUCTED BY CENTRAL BOARD OF SECONDARY EDUCATION.

========== ==========

Subject teacher Examiner

========== date:- / /

Principal

ACKNOWLEDGMENT

IN THE ACCOMPLISHMENT OF THIS PROJECT SUCCESSFULLY, MANY PEOPLE HAVE BESTOWED UPON ME THEIR BLESSINGS AND THE HEART PLEDGE SUPPORT, THIS TIME I AM UTILIZING TO THANK ALL THE PEOPLE WHO HAVE BEEN CONCERNED WITH PROJECT. PRIMARILY I WOULD THANK GOD FOR BEING ABLE TO COMPLETE THIS PROJECT SUCCESS. THEN I WOULD LIKE TO THANK MY PRINCIPAL AND COMPUTER SCIENCE TEACHER MR. GULSHAN KUMAR HANS WHOSE VALUABLE GUIDANCE HAS BEEN ONES THAT HELPED ME PATCH PROJECT AND MAKE IT FULL PROOF SUCCESSS HIS SUGGESTION AND HIS INSTRUCTION HAS SERVE AS THE MAJOR CONTRIBUTION TOWARDS THE COMPLETION OF THE PROJECT. THEN I WOULD LIKE TO THANK MY PARENTS AND FRIENDS WHO HAVE HELPED ME WITH THEIR VALUABLE SUGGESTION AND GUIDANCE HAS BEEN HELPFUL IN VARIOUS

SOURCE CODE

```
#          A project by
#       AAKASH DEEP KUMAR
#        of class 12th on
#topic of student managment using mysql


import mysql.connector
mydb = mysql.connector.connect(host ="localhost",user ="root",passwd ="lata")
mycur = mydb.cursor()
mycur.execute("create database if not exists student_db1")
mycur.execute("use student_db1")
abc="Y"
print(" ================================== \n
================================== \n ======= AAKASH DEEP 12th ======== \n
================================== \n ================================== \n
\n")
def while_fn ():
    while abc=="Y" or abc=="y":
        if menu==1 :
            userinput()
        elif menu==2 :
            search_fn()
            menu_fn()
    while abc=="N" or abc=="n":
        if menu==1 and abc=="N" or abc=="n" :
            userinput()
        elif menu==2 :
            search_fn()
            menu_fn
def userinput ():
    roll=str(input("enter roll no. of the student : "))
    name=str(input("enter name of the student : "))
    dob=str(input("enter  year of birth of the student : "))
    att=str(input("enter attendence of the student P/A : "))
```

```
    creat_tb = "create table if not exists student_tb ( sroll varchar(30) primary key, sname
varchar(30), sdob varchar(30), satt varchar(30))"
    mycur.execute(creat_tb)
    colum_tb = "insert into student_tb (sroll, sname, sdob, satt) values
('"+roll+"','"+name+"','"+dob+"','"+att+"')"
    mycur.execute(colum_tb)
    mydb.commit()
    mycur.execute("select * from student_tb")
    result = mycur.fetchall()
    print("|| roll || name || birth y || attendence || ")
    for x in result:
        print(x)
    global abc
    abc = input("do you want to continue adding student ? [y/n] : ")

def search_fn ():
    menu2=int(input(" ================================= \n [1] search by rollno. \n [2]
search by name \n [3] search by birth year \n [4] search present student \n [5] search absebt
student \n [6] main menu \n =================================\n:"))
    if menu2==1 :
        print("==================== \n [1] search by rollno. \n====================")
        search=str(input("Enter roll no. of student :"))
        mycur.execute("select * from student_tb where sroll='"+search+"'")
        result = mycur.fetchall()
        print("|| roll || name || birth y || attendence
||\n=====================================\n")
        for x in result:
            print(x)
    elif menu2==2 :
        print("==================== \n [2] search by name \n====================")
        search=str(input("Enter name of student :"))
        mycur.execute("select * from student_tb where sname='"+search+"'")
        result = mycur.fetchall()
        print("\n|| roll || name || birth y || attendence
||\n=====================================\n")
        for x in result:
            print(x)
    elif menu2==3 :
        print("==================== \n [3] search by birth year \n====================")
        search=str(input("Enter birth year of student :"))
        mycur.execute("select * from student_tb where sdob='"+search+"'")
        result = mycur.fetchall()
        print("|| roll || name || birth y || attendence
||\n=====================================\n")
```

```
        for x in result:
            print(x)
    elif menu2==4 :
        print("==================== \n [4] search present student
\n====================")
        mycur.execute("select * from student_tb where satt='P'")
        result = mycur.fetchall()
        print("\n|| roll || name || birth y || attendence
||\n=====================================\n")
        for x in result:
            print(x)
    elif menu2==5 :
        print("==================== \n [5] search absent student
\n====================")
        mycur.execute("select * from student_tb where satt='A'")
        result = mycur.fetchall()
        print("\n|| roll || name || birth y || attendence
||\n=====================================\n")
        for x in result:
            print(x)
    elif menu2==6 :
        menu_fn ()

def menu_fn () :
    global menu
    menu=int(input("==================================\n press [1] for entery of new
student \n press [2] for searching student \n==================================\n
:"))
    while_fn()
    print(abc)

menu_fn ()

while_fn
```

mysql1.py - E:\python programs\mysql1.py (3.9.9)

File Edit Format Run Options Window Help

```
#           A project by
#        AAKASH DEEP KUMAR
#         of class 12th on
#topic of student managment using mysql


import mysql.connector
mydb = mysql.connector.connect(host ="localhost",user ="root",passwd ="lata")
mycur = mydb.cursor()
mycur.execute("create database if not exists student_db1")
mycur.execute("use student_db1")
abc="Y"
print(" ================================ \n ================================ \n ======= AAKASH DEEP 12th ======== \n ================================ \n ================================")
def while_fn ():
    while abc=="Y" or abc=="y":
        if menu==1 :
            userinput()
        elif menu==2 :
            search_fn()
            menu_fn()
    while abc=="N" or abc=="n":
        if menu==1 and abc=="N" or abc=="n" :
            userinput()
        elif menu==2 :
            search_fn()
            menu_fn
def userinput ():
    roll=str(input("enter roll no. of the student : "))
    name=str(input("enter name of the student : "))
    dob=str(input("enter  year of birth of the student : "))
    att=str(input("enter attendence of the student P/A : "))
    creat_tb = "create table if not exists student_tb ( sroll varchar(30) primary key, sname varchar(30), sdob varchar(30), satt varchar(30))"
    mycur.execute(creat_tb)
    colum_tb = "insert into student_tb (sroll, sname, sdob, satt) values ('"+roll+"','"+name+"','"+dob+"','"+att+"')"
    mycur.execute(colum_tb)
    mydb.commit()
    mycur.execute("select * from student_tb")
    result = mycur.fetchall()
    print("|| roll || name || birth y || attendence || ")
    for x in result:
        print(x)
    global abc
    abc = input("do you want to continue adding student ? [y/n] : ")

def search_fn ():
    menu2=int(input(" ================================ \n [1] search by rollno. \n [2] search by name \n [3] search by birth year \n [4] search present student \n [5] search absebt stud
    if menu2==1 :
        print("==================== \n [1] search by rollno. \n====================")
        search=str(input("Enter roll no. of student :"))
        mycur.execute("select * from student_tb where sroll='"+search+"'")
```

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mysql1.py - E:\python programs\mysql1.py (3.9.9)

File Edit Format Run Options Window Help

```
        mycur.execute("select * from student_tb where sroll='"+search+"'")
        result = mycur.fetchall()
        print("|| roll || name || birth y || attendence ||\n=======================================\n")
        for x in result:
            print(x)
    elif menu2==2 :
        print("==================== \n [2] search by name \n====================")
        search=str(input("Enter name of student :"))
        mycur.execute("select * from student_tb where sname='"+search+"'")
        result = mycur.fetchall()
        print("\n|| roll || name || birth y || attendence ||\n=======================================\n")
        for x in result:
            print(x)
    elif menu2==3 :
        print("==================== \n [3] search by birth year \n====================")
        search=str(input("Enter birth year of student :"))
        mycur.execute("select * from student_tb where sdob='"+search+"'")
        result = mycur.fetchall()
        print("|| roll || name || birth y || attendence ||\n=======================================\n")
        for x in result:
            print(x)
    elif menu2==4 :
        print("==================== \n [4] search present student \n====================")
        mycur.execute("select * from student_tb where satt='P'")
        result = mycur.fetchall()
        print("\n|| roll || name || birth y || attendence ||\n=======================================\n")
        for x in result:
            print(x)
    elif menu2==5 :
        print("==================== \n [5] search absent student \n====================")
        mycur.execute("select * from student_tb where satt='A'")
        result = mycur.fetchall()
        print("\n|| roll || name || birth y || attendence ||\n=======================================\n")
        for x in result:
            print(x)
    elif menu2==6 :
        menu_fn ()

def menu_fn () :
    global menu
    menu=int(input("=================================\n press [1] for entery of new student \n press [2] for searching student \n=================================\n    :"))
    while_fn()
    print(abc)

menu_fn ()

while_fn
```

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OUTPUTS

```
 ================================
 ================================
 ======= AAKASH DEEP 12th ========
 ================================
 ================================


==================================
 press [1] for entery of new student
 press [2] for searching student
==================================
   :1
enter roll no. of the student : 18
enter name of the student : AAKASH DEEP
enter  year of birth of the student : 2005
enter attendence of the student P/A : P
|| roll || name || birth y || attendence ||
('18', 'AAKASH DEEP', '2005', 'P')
do you want to continue adding student ? [y/n] : n
enter roll no. of the student :
```

```
 ================================
 ================================
 ======= AAKASH DEEP 12th ========
 ================================
 ================================


==================================
 press [1] for entery of new student
 press [2] for searching student
==================================
   :2
 ================================
 [1] search by rollno.
 [2] search by name
 [3] search by birth year
 [4] search present student
 [5] search absebt student
 [6] main menu
 ================================
:1
====================
 [1] search by rollno.
====================
Enter roll no. of student :18
|| roll || name || birth y || attendence ||
==================================

('18', 'AAKASH DEEP', '2005', 'P')
```

```
==================================
 press [1] for entery of new student
 press [2] for searching student
==================================
   :2
 ================================
 [1] search by rollno.
 [2] search by name
 [3] search by birth year
 [4] search present student
 [5] search absebt student
 [6] main menu
 ================================
:2
====================
 [2] search by name
====================
Enter name of student :AAKASH DEEP

|| roll || name || birth y || attendence ||
====================================

('18', 'AAKASH DEEP', '2005', 'P')
```

```
 ================================
 [1] search by rollno.
 [2] search by name
 [3] search by birth year
 [4] search present student
 [5] search absebt student
 [6] main menu
 ================================
:3
====================
 [3] search by birth year
====================
Enter birth year of student :2005
|| roll || name || birth y || attendence ||
====================================

('18', 'AAKASH DEEP', '2005', 'P')
```

```
====================================
 press [1] for entery of new student
 press [2] for searching student
====================================
   :2
 ================================
 [1] search by rollno.
 [2] search by name
 [3] search by birth year
 [4] search present student
 [5] search absebt student
 [6] main menu
 ================================
:4
====================
 [4] search present student
====================

|| roll || name || birth y || attendence ||
====================================

('18', 'AAKASH DEEP', '2005', 'P')
```

```
====================================
 press [1] for entery of new student
 press [2] for searching student
====================================
   :2
 ================================
 [1] search by rollno.
 [2] search by name
 [3] search by birth year
 [4] search present student
 [5] search absebt student
 [6] main menu
 ================================
:5
====================
 [5] search absent student
====================

|| roll || name || birth y || attendence ||
```

REFERENCES

Python class 12th book
Python class 11th book
Internet web pages : https://www.w3schools.com/, https://www.geeksforgeeks.org/, https://google.com , etc.