KENDRIYA VIDYALAYA NO.2 ISHAPORE

STUDENT RESULT MANAGEMENT

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CLASS: XII- "B"

AISSCE ROLL NO:

GROUP MEMBERS

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ACKNOWLEDGEMENT

The successful completion of any task would be incomplete without mentioning the names of those person who helped to make it possible. I take this opportunity to Express my gratitude in few words and respect to all those who helped me in the completion of this project.

It is my humble pleasure to acknowledge my deep senses of gratitude to my computer teacher **MR. SOUMALIK ROY** for his valuable support, constant help and guidance at each and every stage, without which this project would not have forth.

I also register my sense of gratitude to our principal **MR. UMESH KUMAR** his immense encouragement that has made this project successful.

I would like to thanks my friends and family for encouraging me during the course of this project.

Last, but not the least, I would like to thank CBSE for giving us the opportunity to undertake this project.

CERTIFICATE

This is to certify that MD. HUZAIFA ANSARI, a student of class XII–B, has successfully completed the project on the topic “STUDENT RESULT MANAGEMENT" in the academic session 2023– 2024, under the guidance of MR. SOUMALIK ROY, PGT computer.

SIGN OF INTERNAL **SIGN OF EXTERNAL**

SIGN OF PRINCIPAL

INTRODUCTION TO PYTHON

Python is a high-level general-purpose programming language that is used in a wide variety of application domains. Python is a programming language was developed by Guido Van Rossum in February 1991 Python has the right combination of performance and features that demystify program writing.

MERITS OF PYTHON—

1. Easy to use and understand
2. Interpreted language
3. supportive community
4. Extensive Libraries
5. Free And open source

DEMERITS OF PYTHON—

1. Design Restriction
2. Not the fastest programming language.
3. Lesser Libraries than C, Ja5va, Perl.
4. Weak in Mobile Computing and Browsers.
5. Underdeveloped Database Access Layers.

OBJECTIVE

The objective of the project is to provide a prototype of a software program, which can simplify student result management. This kind of a program can be useful for the schools that are looking to simplify their result task.

USES OF SUCH A PROGRAM:

1.To minimize the burden of maintaining a physical result for each student.

2.To keep data safe in a SQL Database.

3.To reduce teacher's time on physical result making process.

FEATURES OF THE PROGRAM:

1.Easy and quick way of entering data.

2.Versatile search function.

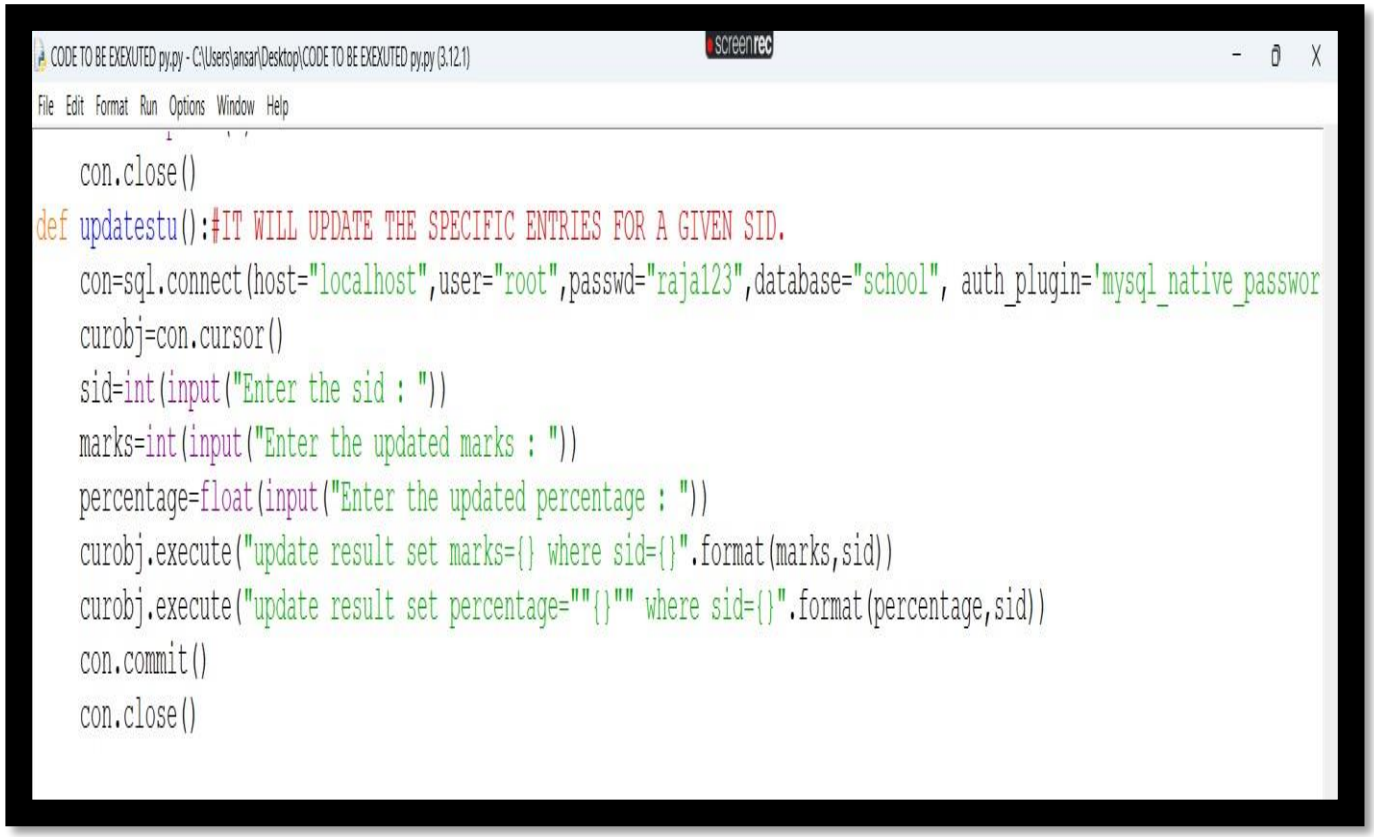
3.Ability to save or discard changes done to the database.

CODE

```
File  Edit  Format  Run  Options  Window  Help
import mysql.connector as sql
def create():#WILL CREATE THE DATABASE IF NOT EXISTS ALONG WITH TABLE NAMED RESULT.
    con=sql.connect(host="localhost",user="root",passwd="raja123", auth_plugin='mysql_native_password')
    curobj=con.cursor()
    database_query="CREATE DATABASE IF NOT EXISTS school"
    table_query="""
    CREATE TABLE IF NOT EXISTS result(
        sid INT PRIMARY KEY,
        rollno INT,
        sname varchar(30) NOT NULL,
        marks INT,
        percentage DECIMAL(5,2) NOT NULL
    )
    """
    curobj.execute(database_query)
    curobj.execute("USE school")
    curobj.execute(table_query)
    con.close()
```

```
CODE TO BE EXEXUTED py.py - C:\Users\ansar\Desktop\CODE TO BE EXEXUTED py.py (3.12.1)
File  Edit  Format  Run  Options  Window  Help
def addstu():#IT WILL ADD A STUDENT IN THE TABLE RESULT.
    con=sql.connect(host="localhost",user="root",passwd="raja123",database="school", auth_plugin='mysql_native_passwor
    curobj=con.cursor()
    sid=int(input("Enter the student id : "))
    rollno=int(input("Enter the roll no. : "))
    sname=input("Enter the student name : ")
    marks=int(input("Enter the marks : "))
    percentage=float(input("Enter the percentage : "))
    insert_query="""
    INSERT INTO result(sid,rollno,sname,marks,percentage)
    VALUES (%s,%s,%s,%s,%s)
    """
    curobj.execute(insert_query,(sid,rollno,sname,marks,percentage))
    con.commit()
    print("Student successfully added.")
    con.close()
```

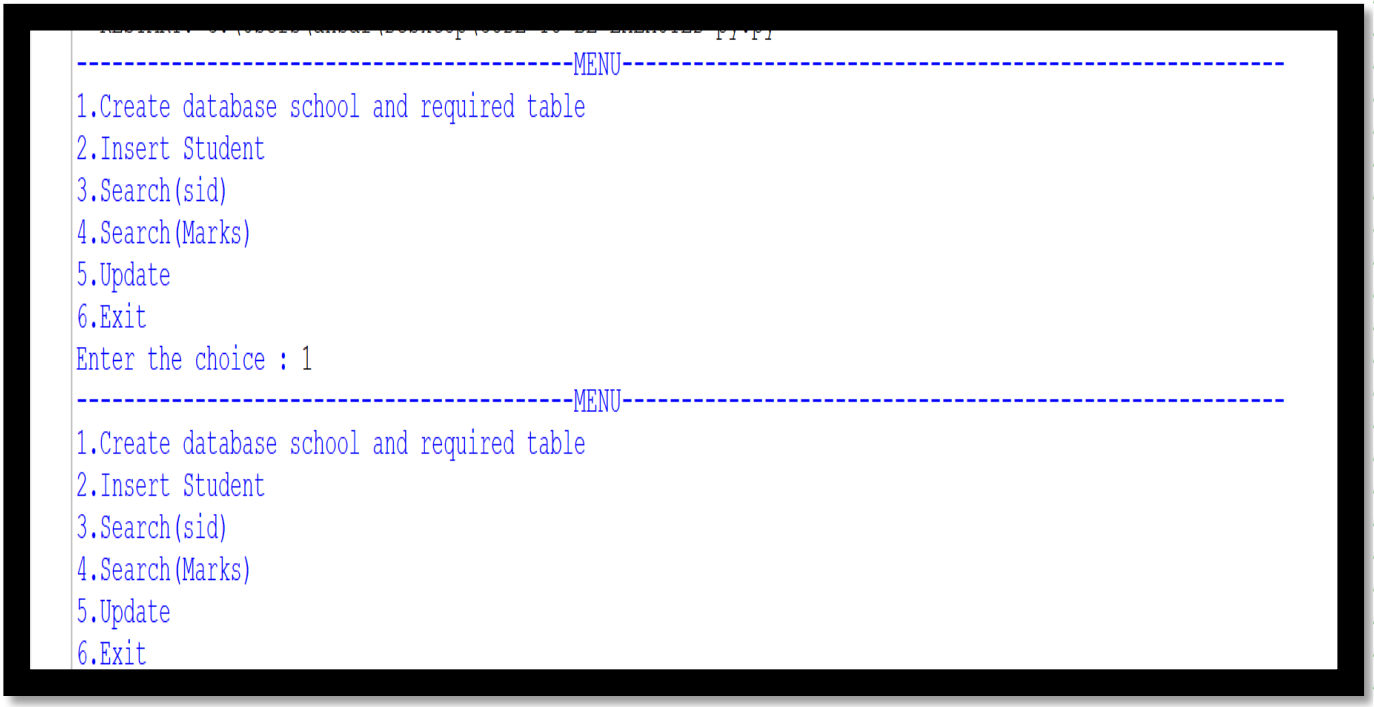
```
def searchmarks():#IT WILL SEARCH THE STUDENT RECORD BY PROVIDED ROLL NO IN TABLE RESULT.
    con=sql.connect(host="localhost",user="root",passwd="raja123",database="school", auth_plugin='mysql_native_passwor
    curobj=con.cursor()
    sid=int(input("Enter the student marks : "))
    search_query="""SELECT * FROM result WHERE marks=%s"""
    curobj.execute(search_query,(sid,))
    results=curobj.fetchall()
    if not results:
        print("No student found with provided sid as student.")
    else:
        print("Search results : ")
        for i in results:
            print(i)
    con.close()
```

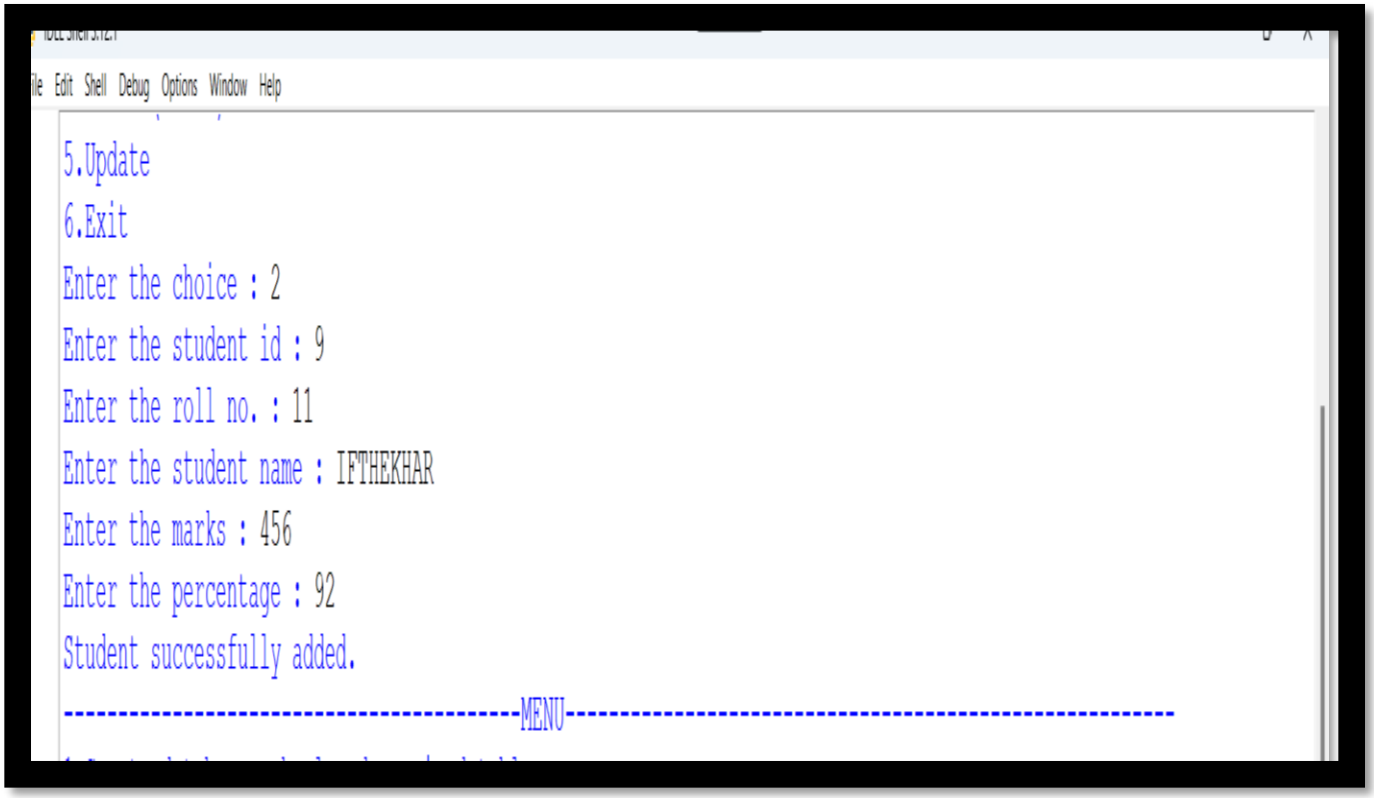


```
def searchsid():#IT WILL SEARCH THE STUDENT RECORD BY PROVIDED SID IN TABLE RESULT.
    con=sql.connect(host="localhost",user="root",passwd="raja123",database="school", auth_plugin='mysql_native_passwor
    curobj=con.cursor()
    sid=int(input("Enter the student id : "))
    search_query="""SELECT * FROM result WHERE SID=%s"""
    curobj.execute(search_query,(sid,))
    results=curobj.fetchall()
    if not results:
        print("No student found with provided sid as student.")
    else:
        print("Search results : ")
        for i in results:
            print(i)
    con.close()
```

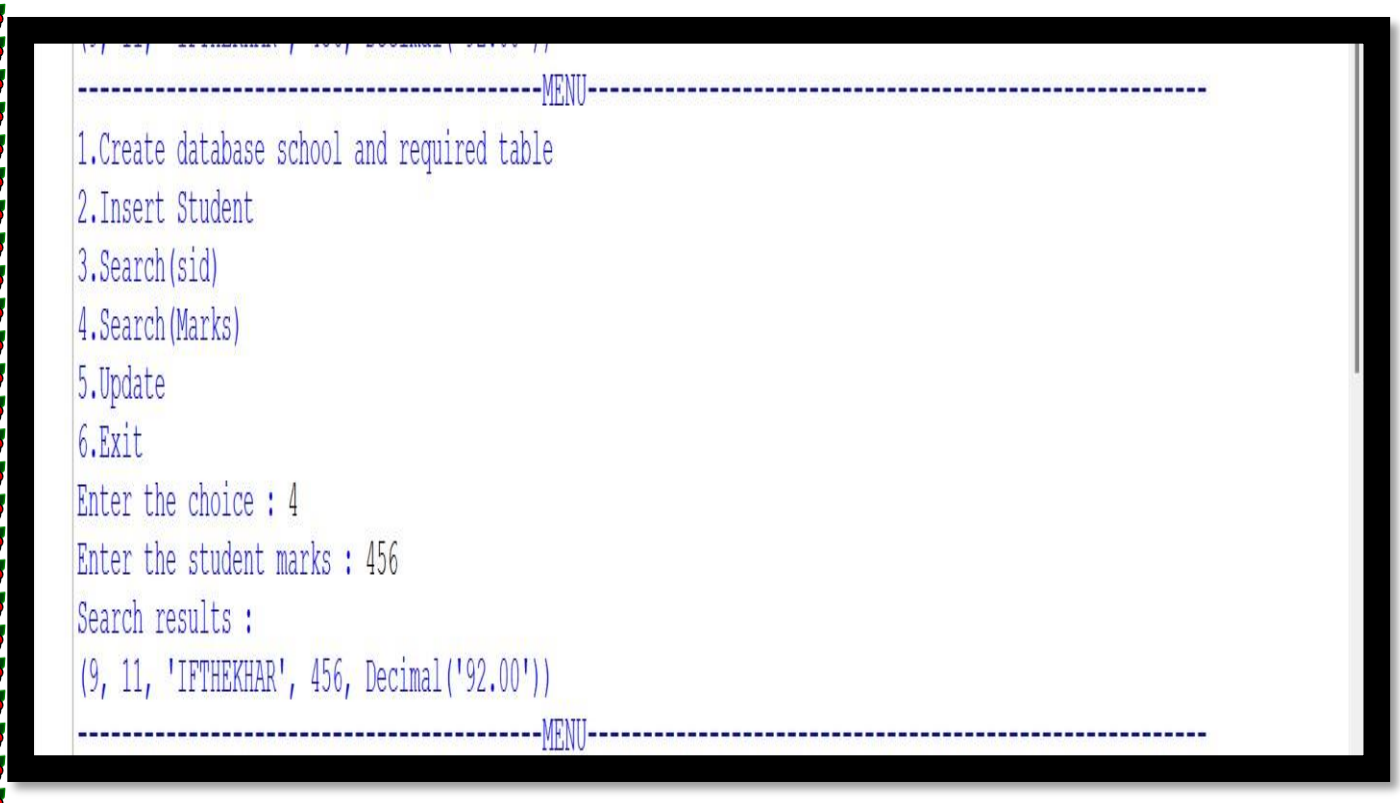
```
while True:
    print("----------------------------------------MENU----------------------------------------------------")
    print("1.Create database school and required table\n2.Insert Student\n3.Search(sid)\n4.Search(Marks)\n5.Update\n6.
    ch=int(input("Enter the choice : "))
    if ch==1:
        create()
    elif ch==2:
        addstu()
    elif ch==3:
        searchsid()
    elif ch==4:
        searchmarks()
    elif ch==5:
        updatestu()
    elif ch==6:
        break
    else:
        print("Inncorrect choice.")
```

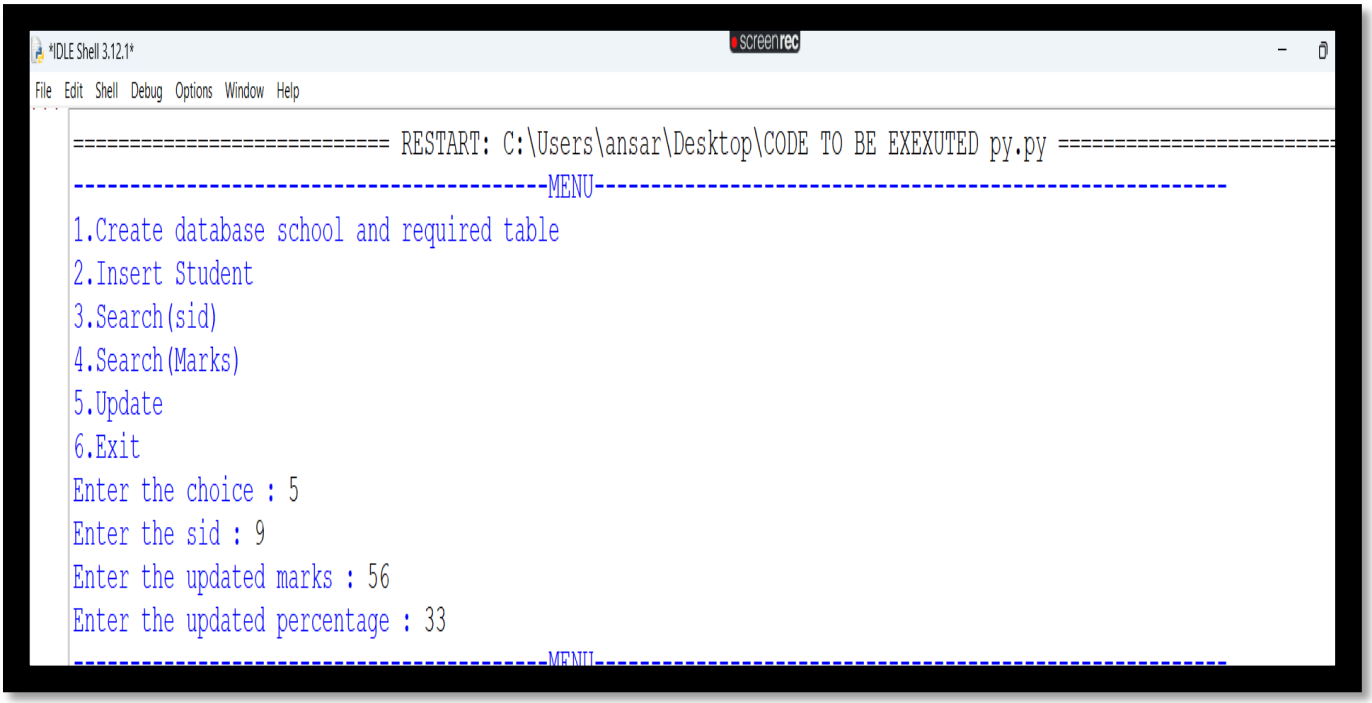
OUTPUT


----------MENU----------
1.Create database school and required table
2.Insert Student
3.Search(sid)
4.Search(Marks)
5.Update
6.Exit
Enter the choice : 1
----------MENU----------
1.Create database school and required table
2.Insert Student
3.Search(sid)
4.Search(Marks)
5.Update
6.Exit

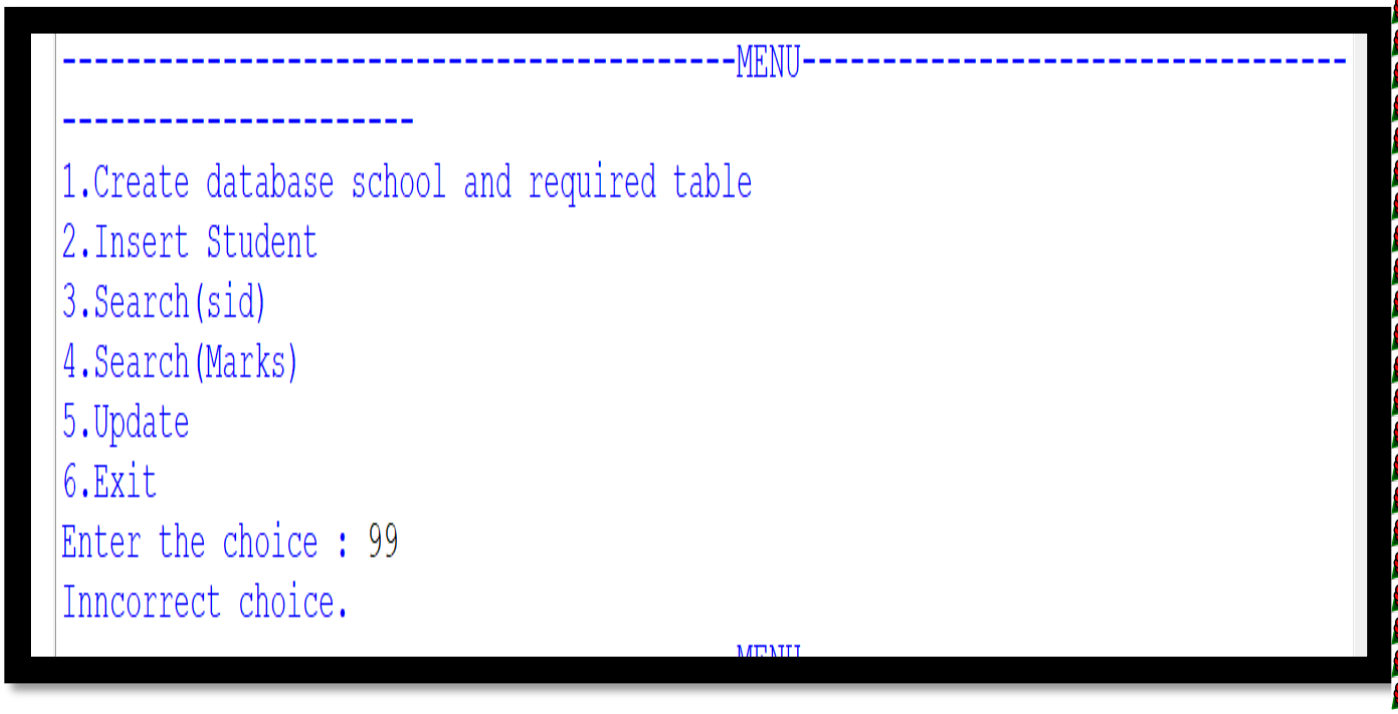

File Edit Shell Debug Options Window Help
5.Update
6.Exit
Enter the choice : 2
Enter the student id : 9
Enter the roll no. : 11
Enter the student name : IFTHEKHAR
Enter the marks : 456
Enter the percentage : 92
Student successfully added.
----------MENU----------


IDLE Shell 3.12.1
File Edit Shell Debug Options Window Help
1.Create database school and required table
2.Insert Student
3.Search(sid)
4.Search(Marks)
5.Update
6.Exit
Enter the choice : 3
Enter the student id : 9
Search results :
(9, 11, 'IFTHEKHAR', 456, Decimal('92.00'))


----------MENU----------
1.Create database school and required table
2.Insert Student
3.Search(sid)
4.Search(Marks)
5.Update
6.Exit
Enter the choice : 4
Enter the student marks : 456
Search results :
(9, 11, 'IFTHEKHAR', 456, Decimal('92.00'))
----------MENU----------


IDLE Shell 3.12.1
File Edit Shell Debug Options Window Help
========== RESTART: C:\Users\ansar\Desktop\CODE TO BE EXEXUTED py.py ==========
----------MENU----------
1.Create database school and required table
2.Insert Student
3.Search(sid)
4.Search(Marks)
5.Update
6.Exit
Enter the choice : 5
Enter the sid : 9
Enter the updated marks : 56
Enter the updated percentage : 33
----------MENU----------


----------MENU----------
1.Create database school and required table
2.Insert Student
3.Search(sid)
4.Search(Marks)
5.Update
6.Exit
Enter the choice : 3
Enter the student id : 9
Search results :
(9, 11, 'IFTHEKHAR', 56, Decimal('33.00'))
MENU


----------MENU----------
1.Create database school and required table
2.Insert Student
3.Search(sid)
4.Search(Marks)
5.Update
6.Exit
Enter the choice : 99
Inncorrect choice.
MENU

FUTURE SCOPE

This program can be further expanded in the following ways:

1. Data enquiry by searching.

2. The project can be made more attractive by using different font styles.

3. It can be used by SCHOOLS to store data efficiently.

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THANK YOU