

# SCHOOL MANAGEMENT SYSTEM

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**Details of Project:** I'm implementing this project by using python programming language

**code:**

```
main.py  [Copy] [Refresh] [Save]

1 def menu():
2     print("Student Database menu:")
3     print("1.Add student")
4     print("2.Update student")
5     print("3.Retrieve student")
6     print("4.Exit")
7 def add_student(d):
8     roll_num=int(input("Enter your roll number:"))
9     name=input("Enter your name:")
10    marks=int(input("Enter your marks:"))
11    d[roll_num]={"name":name,"marks":marks}
12 def update_student(d):
13     roll_num=int(input("Enter your roll number:"))
14     if roll_num in d:
15         marks=int(input("Enter your new marks:"))
16         d[roll_num]["marks"]=marks
17 def retrieve_student(d):
18     roll_num=int(input("Enter your roll number:"))
19     if roll_num in d:
20         student=d[roll_num]
21         print("Name:",student["name"],"Marks",student["marks"])
22
```

```
25 ▾ def main():
26     c=1
27     d={}
28 ▾     while c!=0:
29         menu()
30         choice=int(input("Enter your choice:"))
31 ▾         if choice==1:
32             add_student(d)
33 ▾         elif choice==2:
34             update_student(d)
35 ▾         elif choice==3:
36             retrieve_student(d)
37 ▾         elif choice==4:
38             print("Exiting...")
39             break
40 main()
```

**input and output:**

## Output

Student Database menu:

- 1.Add student
- 2.Update student
- 3.Reyrieve student
- 4.Exit

Enter your choice:1

Enter your roll number:85

Enter your name:john

Enter your marks:89

Student Database menu:

- 1.Add student
- 2.Update student
- 3.Reyrieve student
- 4.Exit

Enter your choice:1

Enter your roll number:96

Enter your name:priya

Enter your marks:97

Student Database menu:

- 1.Add student
- 2.Update student
- 3.Reyrieve student
- 4.Exit

Enter your choice:2

Enter your roll number:85

Enter your new marks:96

```
Student Database menu:
1.Add student
2.Update student
3.Reyrieve student
4.Exit
Enter your choice:3
Enetr your roll number:96
Name:, priya Marks 97
Student Database menu:
1.Add student
2.Update student
3.Reyrieve student
4.Exit
Enter your choice:4
Exiting....
```

=== Code Execution Successful ===

**Explanation:** In this project we implemented school management system by using functions concept and dictionary datatype. At first the compiler asks the user to enter the choice, based on the choice given it calls the function name and performs the console operation.

**conclusion:** Finally, I have got the desired output of school management system.