SCHOOL MANAGEMENT SYSTEM

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

CODE:

```python
while True:
    c={}
    while True:
        print("Student database menu:\n1.Add
            Student\n2.Update Student\n3.Retrive
            Student\n4.Exit\n")
        b=int(input("Enter your choice(1-4): "))
        if b==1:
            roll_number=int(input("Enter
                Roll_number: "))
            c["roll_number"]=roll_number
            name=input("Enter name: ")
            c["name"]=name
            marks=int(input("Enter marks: "))
            c["marks"]=marks
            print("\n")
```

```
14        elif b==2:
15            d=int(input("Enter roll number: "))
16            e=int(input("Enter new marks: "))
17            f={}
18            f["marks"]=e
19            c.update(f)
20            print("\n")
21        elif b==3:
22            g=int(input("Enter roll number: "))
23            x=c["name"]
24            y=c["marks"]
25            print("Name:",x,",","Marks: ",y)
26            print("\n")
27        elif b==4:
28            print("Exiting......")
29            break
30    break
```

Input & Output:

```
Student database menu:
1.Add Student
2.Update Student
3.Retrive Student
4.Exit

Enter your choice(1-4): 1
Enter Roll_number: 85
Enter name: john
Enter marks: 89
```

```
Student database menu:
1.Add Student
2.Update Student
3.Retrive Student
4.Exit

Enter your choice(1-4): 1
Enter Roll_number: 96
Enter name: priya
Enter marks: 97


Student database menu:
1.Add Student
2.Update Student
3.Retrive Student
4.Exit

Enter your choice(1-4): 2
Enter roll number: 85
Enter new marks: 96
```

```
Student database menu:
1.Add Student
2.Update Student
3.Retrive Student
4.Exit

Enter your choice(1-4): 3
Enter roll number: 96
Name: priya , Marks:  96


Student database menu:
1.Add Student
2.Update Student
3.Retrive Student
4.Exit

Enter your choice(1-4): 4
Exiting......

=== Code Execution Successful ===
```

EXPLANATION:

On first we use while loop.while loop is used to iterable the code while the

condition is true.and then we take a empty dictionary as c to store values.then we take a another while loop to run the code.we can take 'b' as a input.we can take four conditions for four desired options.

1.Add student:

In these option we have to enter roll number,name and marks of a student that can stores as dictionary.

2.update student:

In these option we enter roll number and new marks of a student that stored in dictionary.

3.Retrive student:

In these option when we enter

the roll number according to the dictionary it displays the output as name and marks.

4.Exit:

In these option we prints Exiting it breaks out the inner loop.and ending the program.

Conclusion: The above program consists a student data base using dictionary.and finally got an output.