SCHOOL MANAGEMENT SYSTEM

DATE:6TH JUNE 2024

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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")
        elif b==2:
            d=int(input("Enter roll number: "))
            e=int(input("Enter new marks: "))
            f={}
            f["marks"]=e
            c.update(f)
            print("\n")
        elif b==3:
            g=int(input("Enter roll number: "))
            x=c["name"]
            y=c["marks"]
            print("Name:",x,",","Marks: ",y)
            print("\n")
        elif b==4:
            print("Exiting......")
            break
    break
```

INPUT AND OUTPUT

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

Enter your choice(1-4): 1
Enter Roll_number: 82
Enter name: pujith
Enter marks: 96

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

Enter your choice(1-4): 2
Enter roll number: 82
Enter new marks: 90

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

Enter your choice(1-4): 3
Enter roll number: 82
Name: pujith , Marks:  90

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

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

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

EXPLAINATION:

On firstly ,we take the "while loop" which is use to execute repeatedly until the loop is to terminate and then we take a empty dictionary as "c" to store values in dictionary and we use another loop to ru n the code.

In these loop,firstly we display the number of cases that we have to perform and then we use a variable "b" to perform 4 operations as:

Option 1: ADD STUDENT

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

Option 2: UPDATE STUDENT

In these option,we enter the roll number and new marks of a student as recrding to the student roll number that stored in dictionary

Option 3: RETRIVE STUDENT

In these option,we enter the roll number according to the dictionary and it display the output as name and marks regarding to roll number.

Option 4: EXIT

In these option,we prints "Exiting….." and breaks out the inner loop,effectively ending the program.

CONCLUSION: FINALLY I HAVE GOT THE DESIRED OUTPUT