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1 from pymongo import MongoClient
2 client=MongoClient("mongodb://127.0.0.1:27017
  ")
3 database=client.StudentDB
4 collection=database.Students
5
6 while (True):
7     print("*" * 10, "MENU", "*" * 10)
8     print("1.Add data to database\n2.Read
      data from database\n3.Update data\n4.Delete
      records from database\n5.Exit")
9     ch = int(input("Enter your choice : "))
10
11     if ch==1:
12         n=int(input("Enter the no. of records
          to be inserted : "))
13         for i in range(n):
14             Roll=int(input("Enter the Roll No
              . : "))
15             Name=input("Enter the Name : ")
16             Div=input("Enter the Class and
              Division : ")
17             Marks=int(input("Enter the Marks
              : "))
18             collection.insert_one({"Roll_No":
              Roll,"Name":Name,"Class":Div,"Marks":Marks})
19
20     elif ch==2:
21         val=input("\nA.Search for all data\nB
          .Search specific data\nEnter your choice : ")
22         if val=="A":
23             cursor=collection.find({})
24             for i in cursor:
25                 print("Roll No.: ",i["Roll_No
          "])
26                 print("Name : ",i["Name"])

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27             print("Class and Division :",
    i["Class"])
28             print("Marks : ",i["Marks"])
29             print("")
30
31         elif val=="B":
32             roll=int(input("Enter the Roll No
    . to be searched: "))
33             document = collection.find_one({"
    Roll_No": roll})
34             if document:
35                 print("Roll No:", document["
    Roll_No"])
36                 print("Name:", document["Name
    "])
37                 print("Class and Division:",
    document["Class"])
38                 print("Marks:", document["
    Marks"])
39             else:
40                 print("Record not found.")
41
42
43
44         elif ch == 3:
45             roll = int(input("Enter the Roll No.
    to be updated: "))
46             document = collection.find_one({"
    Roll_No": roll})
47             if document:
48
49                 new_name = input("Enter the new
    Name: ")
50                 new_class = input("Enter the new
    Class and Division: ")
51                 new_marks = int(input("Enter the
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51 new Marks: ")) # Add a closing parenthesis
    here
52         updated_data = {
53             "$set": {
54                 "Name": new_name,
55                 "Class": new_class,
56                 "Marks": new_marks
57             }
58         }
59         collection.update_one({"Roll_No"
: roll}, updated_data)
60         print("Record updated
successfully!")
61         else:
62             print("Record not found.")
63
64         elif ch==4:
65             roll = int(input("Enter the Roll No.
to be deleted: "))
66             result = collection.delete_one({"
Roll_No": roll})
67             if result.deleted_count > 0:
68                 print("Record deleted
successfully!")
69             else:
70                 print("Record not found.")
71
72         elif ch==5:
73             print("Exiting Successfully!!")
74             break
75
76         else:
77             print("\nWrong Choice enetered !!\n
Please Try Again!!")
78
79 client.close()

```