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1  # @AYUSH ACHARYA TE 1
2
3  import mysql.connector
4
5  p = mysql.connector.connect(
6      host="localhost",
7      user="root",
8      password="",
9      database="connect"
10 )
11
12 func = p.cursor()
13
14 while (True):
15     print("*"*10, "MENU", "*" * 10)
16     print("1.Add data to database\n2.Read
17     data from database\n3.Update data\n4.Delete
18     records from database\n5.Exit")
19     ch=int(input("Enter your choice : "))
20
21     if ch == 1:
22         n=int(input("Enter the no. of records
23         to be inserted : "))
24         for i in range(n):
25             roll = int(input("Enter the roll
26             no. to be inserted: "))
27             name = input("Enter the name: ")
28             var1 = "INSERT INTO data (Roll_No
29             , Name) VALUES (%s, %s)"
30             values = (roll, name)
31             try:
32                 func.execute(var1, values)
33                 p.commit()
34                 print(func.rowcount, "Record
35                 Inserted successfully!!")
36             except mysql.connector.Error as

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30 err:
31         print(f"Error: {err}")
32
33
34     elif ch==2:
35         val=input("\nA.Search for all data\nB
36         .Search specific data\nEnter your choice : ")
37         if (val=='A'):
38             func.execute("SELECT * FROM data"
39             )
40             records=func.fetchall()
41             for i in records:
42                 print("Roll No. : ",i[0])
43                 print("Name : ",i[1])
44             elif val=="B":
45                 roll = int(input("Enter the roll
46                 no. to be searched: "))
47                 func.execute("SELECT * FROM data
48                 WHERE Roll_No = %s", (roll,))
49                 record = func.fetchone()
50                 if record:
51                     print("Roll No:", record[0])
52                     print("Name:", record[1])
53                 else:
54                     print("Record not found.")
55
56     elif ch==3:
57         roll = int(input("Enter the roll no.
58         to be updated: "))
59         name = input("Enter the new name: ")
60         func.execute("UPDATE data SET Name
61         = %s WHERE Roll_No = %s", (name, roll))
62         if func.rowcount > 0:
63             p.commit()

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60         print(func.rowcount, "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         func.execute("DELETE FROM data WHERE
Roll_No = %s", (roll,))
67         if func.rowcount > 0:
68             p.commit()
69             print(func.rowcount, "record(s)
deleted successfully!")
70     else:
71         print("Record not found.")
72
73     elif ch==5:
74         print("Exiting successfully!!")
75         break
76
77     else:
78         print("\nWrong choice entered!!\nTry
Again!!")
79
80
```