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1  DBMSL Assignment No 12
2  Name:Himanshu Vijay Lonkar
3  Batch:T3
4
5  Program:
6
7      import pymongo
8  from pymongo import MongoClient
9
10 try:
11     client=MongoClient('localhost',27017)
12     print("Connected Successfully")
13
14     mydatabase= client.B4
15     mycollection=mydatabase.users
16
17     def insert(id,name,age,city):
18         records={'id':id,'name':name,'age':age,'city':city}
19         result=mycollection.insert_one(records)
20         print("Data is Inserted")
21
22     def select():
23         cursor=mycollection.find()
24         for record in cursor:
25             print(record)
26
27     def update(id,name,age,city):
28
29         #result=mycollection.update_many({'id':id},{"$set":{"name":name},{'age':age},{'c
30         ity':city}}})
31         myquery = { "id": id }
32         newvalues = { "$set": { 'name':name,'age':age,'city':city } }
33         result = mycollection.update_many(myquery, newvalues)
34         print(result.matched_count,"documents updated")
35         print("The Record is updated")
36
37     def delete(id):
38         myquery={'id':id}
39         result=mycollection.delete_many(myquery)
40         print(result.deleted_count,"documents deleted")
41         print("Data Deleted")
42
43     while True:
44         print("#####MENU#####")
45         print("1.Insert a Record")
46         print("2.Display Records")
47         print("3.Update a Record")
48         print("4.Delete a Record")
49         print("5.Exit")
50
51         ch=int(input("Enter your choice:"))
52
53         if(ch==1):
54             id=int(input("Enter the Roll No:"))
55             name=input("Enter the Name:")
56             age=int(input("Enter the Age:"))
57             city=input("Enter the City:")
58             insert(id,name,age,city)
59
60         if(ch==2):
61             select()
62
63         if(ch==3):
64             id=int(input("Enter the Roll No:"))
65             name=input("Enter the Name:")
66             age=int(input("Enter the Age:"))
67             city=input("Enter the City:")
68             update(id,name,age,city)

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68         if(ch==4):
69             id=int(input("Enter the Roll No:"))
70             delete(id)
71
72         if(ch==5):
73             exit()
74
75         else:
76             print("Enter the valid choice")
77
78 except :
79     print("Could not connect to MongoDB")
80
81 Output:
82
83     Connected to MySQL server version 8.0.34
84
85     1.Insert
86         Connected Successfully
87         #####MENU#####
88         1.Insert a Record
89         2.Display Records
90         3.Update a Record
91         4.Delete a Record
92         5.Exit
93         Enter your choice:1
94         Enter the Roll No:1
95         Enter the Name:ABC
96         Enter the Age:20
97         Enter the City:Pune
98         Data is Inserted
99
100    2.Select
101        #####MENU#####
102        1.Insert a Record
103        2.Display Records
104        3.Update a Record
105        4.Delete a Record
106        5.Exit
107        Enter your choice:2
108        {'_id': ObjectId('652ff6eb75a254db55d9e9eb'), 'id': 1, 'name': 'ABC', 'age': 20,
109        'city': 'Pune'}
110        {'_id': ObjectId('652ff735090eb96f5696a08b'), 'id': 1, 'name': 'ABC', 'age': 20,
111        'city': 'Pune'}
112
113    3.Update
114        #####MENU#####
115        1.Insert a Record
116        2.Display Records
117        3.Update a Record
118        4.Delete a Record
119        5.Exit
120        Enter your choice:3
121        Enter the Roll No:1
122        Enter the Name:XYZ
123        Enter the Age:25
124        Enter the City:Mumbai
125        2 documents updated
126        The Record is updated
127
128        #####MENU#####
129        1.Insert a Record
130        2.Display Records
131        3.Update a Record
132        4.Delete a Record
133        5.Exit
134        Enter your choice:2
135        {'_id': ObjectId('652ff6eb75a254db55d9e9eb'), 'id': 1, 'name': 'XYZ', 'age': 25,
136        'city': 'Mumbai'}

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134         {'_id': ObjectId('652ff735090eb96f5696a08b'), 'id': 1, 'name': 'XYZ', 'age': 25,  
135         'city': 'Mumbai'}  
136  
137  
138         #####MENU#####  
139         1.Insert a Record  
140         2.Display Records  
141         3.Update a Record  
142         4.Delete a Record  
143         5.Exit  
144         Enter your choice:4  
145         Enter the Roll No:1  
146         2 documents deleted  
147         Data Deleted  
148  
149         #####MENU#####  
150         1.Insert a Record  
151         2.Display Records  
152         3.Update a Record  
153         4.Delete a Record  
154         5.Exit  
155         Enter your choice:2  
156  
157     5.Exit  
158  
159         #####MENU#####  
160         1.Insert a Record  
161         2.Display Records  
162         3.Update a Record  
163         4.Delete a Record  
164         5.Exit  
165         Enter your choice:5  
166         Exited Successfully  
167  
168  
169  
170
```