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C31124
Div-1
T.E

```
1    DBMSL Assignment No 12
2
3
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
             #result=mycollection.update_many({'id':id},{"$set":{{'name':name},{'age':age},{'c
             ity':city}}})
29           myquery = { "id": id }
30           newvalues = { "$set": { 'name':name,'age':age,'city':city } }
31           result = mycollection.update_many(myquery, newvalues)
32           print(result.matched_count,"documents updated")
33           print("The Record is updated")
34
35       def delete(id):
36           myquery={'id':id}
37           result=mycollection.delete_many(myquery)
38           print(result.deleted_count,"documents deleted")
39           print("Data Deleted")
40
41       while True:
42           print("#####MENU#####")
43           print("1.Insert a Record")
44           print("2.Display Records")
45           print("3.Update a Record")
46           print("4.Delete a Record")
47           print("5.Exit")
48
49           ch=int(input("Enter your choice:"))
50
51           if(ch==1):
52               id=int(input("Enter the Roll No:"))
53               name=input("Enter the Name:")
54               age=int(input("Enter the Age:"))
55               city=input("Enter the City:")
56               insert(id,name,age,city)
57
58           if(ch==2):
59               select()
60
61           if(ch==3):
62               id=int(input("Enter the Roll No:"))
63               name=input("Enter the Name:")
64               age=int(input("Enter the Age:"))
65               city=input("Enter the City:")
66               update(id,name,age,city)
67
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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,
                 'city': 'Pune'}
109              {'_id': ObjectId('652ff735090eb96f5696a08b'), 'id': 1, 'name': 'ABC', 'age': 20,
                 'city': 'Pune'}
110
111         3.Update
112              #####MENU#####
113              1.Insert a Record
114              2.Display Records
115              3.Update a Record
116              4.Delete a Record
117              5.Exit
118              Enter your choice:3
119              Enter the Roll No:1
120              Enter the Name:XYZ
121              Enter the Age:25
122              Enter the City:Mumbai
123              2 documents updated
124              The Record is updated
125
126              #####MENU#####
127              1.Insert a Record
128              2.Display Records
129              3.Update a Record
130              4.Delete a Record
131              5.Exit
132              Enter your choice:2
133              {'_id': ObjectId('652ff6eb75a254db55d9e9eb'), 'id': 1, 'name': 'XYZ', 'age': 25,
                 'city': 'Mumbai'}
```

```
134        {'_id': ObjectId('652ff735090eb96f5696a08b'), 'id': 1, 'name': 'XYZ', 'age': 25,
           'city': 'Mumbai'}
135
136    4.Delete
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
```