

DBMSL Assignment No- 12

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Batch - T1

Program

```
import pymongo
from pymongo import MongoClient

try:
    client=MongoClient('localhost',27017)
    print("Connected Successfully")

    mydatabase= client.B4
    mycollection=mydatabase.users

    def insert(id,name,age,city):
        records={'id':id,'name':name,'age':age,'city':city}
        result=mycollection.insert_one(records)
        print("Data is Inserted")

    def select():
        cursor=mycollection.find()
        for record in cursor:
            print(record)

    def update(id,name,age,city):
        #result=mycollection.update_many({'id':id},{"$set":{'name':
name},{'age':age},{'city':city}}})
        myquery = { "id": id }
        newvalues = { "$set": { 'name':name,'age':age,'city':city }
    }

        result = mycollection.update_many(myquery, newvalues)
        print(result.matched_count,"documents updated")
        print("The Record is updated")

    def delete(id):
        myquery={'id':id}
        result=mycollection.delete_many(myquery)
        print(result.deleted_count,"documents deleted")
        print("Data Deleted")

    while True:
        print("\n*****MENU*****")
        print(" 1.Insert a Record")
        print(" 2.Display Records")
        print(" 3.Update a Record")
        print(" 4.Delete a Record")
        print(" 5.Exit")
        print("*****")

        ch=int(input("\nEnter your choice:"))
        print(" ")

        if(ch==1):
            id=int(input("Enter the Roll No:"))
            name=input("Enter the Name:")
            age=int(input("Enter the Age:"))
```

```
        city=input("Enter the City:")
        insert(id,name,age,city)

    elif(ch==2):
        select()

    elif(ch==3):
        id=int(input("Enter the Roll No:"))
        name=input("Enter the Name:")
        age=int(input("Enter the Age:"))
        city=input("Enter the City:")
        update(id,name,age,city)

    elif(ch==4):
        id=int(input("Enter the Roll No:"))
        delete(id)

    elif(ch==5):
        print("Program Exitted Successfully")
        exit()

    else:
        print("Enter the valid choice")

except :
    print("Could not connect to MongoDB")
```

Output

```
*****MENU*****
```

- 1.Insert a Record
- 2.Display Records
- 3.Update a Record
- 4.Delete a Record
- 5.Exit

```
*****
```

Enter your choice:1

Enter the Roll No:1

Enter the Name:Ravi

Enter the Age:20

Enter the City:Pune

Data is Inserted

```
*****MENU*****
```

- 1.Insert a Record
- 2.Display Records
- 3.Update a Record
- 4.Delete a Record
- 5.Exit

```
*****
```

Enter your choice:1

Enter the Roll No:2

Enter the Name:Abhi

Enter the Age:21

Enter the City:Nashik

Data is Inserted

```
*****MENU*****
```

- 1.Insert a Record
- 2.Display Records
- 3.Update a Record
- 4.Delete a Record
- 5.Exit

```
*****
```

Enter your choice:2

```
{'_id': ObjectId('6530b40d9787b7d722bde626'), 'id': 1,
'name': 'Ravi', 'age': 20, 'city': 'Pune'}
```

```
{'_id': ObjectId('6530b4239787b7d722bde627'), 'id': 2,
'name': 'Abhi', 'age': 21, 'city': 'Nashik'}
```

```
*****MENU*****
```

- 1.Insert a Record
- 2.Display Records
- 3.Update a Record
- 4.Delete a Record
- 5.Exit

```
*****
```

Enter your choice:3

Enter the Roll No:2
Enter the Name:Abhi
Enter the Age:21
Enter the City:Pune
1 documents updated
The Record is updated

```
*****MENU*****
  1.Insert a Record
  2.Display Records
  3.Update a Record
  4.Delete a Record
  5.Exit
*****
```

Enter your choice:2

```
{'_id': ObjectId('6530b40d9787b7d722bde626'), 'id': 1,
'name': 'Ravi', 'age': 20, 'city': 'Pune'}
{'_id': ObjectId('6530b4239787b7d722bde627'), 'id': 2,
'name': 'Abhi', 'age': 21, 'city': 'Pune'}
```

```
*****MENU*****
  1.Insert a Record
  2.Display Records
  3.Update a Record
  4.Delete a Record
  5.Exit
*****
```

Enter your choice:4

Enter the Roll No:2
1 documents deleted
Data Deleted

```
*****MENU*****
  1.Insert a Record
  2.Display Records
  3.Update a Record
  4.Delete a Record
  5.Exit
*****
```

Enter your choice:2

```
{'_id': ObjectId('6530b40d9787b7d722bde626'), 'id': 1,
'name': 'Ravi', 'age': 20, 'city': 'Pune'}
```

```
*****MENU*****
  1.Insert a Record
  2.Display Records
  3.Update a Record
  4.Delete a Record
  5.Exit
*****
```

Enter your choice:5

Program Exitted Successfully
Could not connect to MongoDB