

# DBMSL Assignment No 8

Program:

```
import mysql.connector
from mysql.connector import Error
from tabulate import tabulate
try:

    connection=mysql.connector.connect(host="localhost",database="Connect",user="root",password="lonkar#1411")
    if connection.is_connected():
        db_info=connection.get_server_info()
        print("Connected to MySql server version",db_info)

    def insert(id,name,age,city):
        res=connection.cursor()
        sql="Insert into user values(%s,%s,%s,%s);"
        values=(id,name,age,city)
        exu=res.execute(sql,values)
        connection.commit()
        res.close()
        print("Data is Inserted")

    def select():
        res=connection.cursor()
        sql="Select * from user"
        res.execute(sql)
        #record=exu.fetchall()
        print(tabulate(res.fetchall(),headers=('Roll No','Name','Age','City')))
        res.close()

    def delete(id):
        res=connection.cursor()
        sql="Delete from user where id=%s;"
        values=(id)
        exu=res.execute(sql,values)
        connection.commit()
        res.close()
        print("Data Deleted")

    def update(id,name,age,city):
        res=connection.cursor()
        sql="Update user set name=%s,age=%s,city=%s where id=%s"
        values=(name,age,city,id)
        exu=res.execute(sql,values)
        connection.commit()
        res.close()
        print("The Record is updated")

    while True:
        print("#####MENU#####")
        print("1.Insert a Record")
        print("2.Display Records")
        print("3.Update a Record")
        print("4.Delete a Record")

        ch=int(input("Enter your choice:"))

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

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68         city=input("Enter the City:")
69         insert(id,name,age,city)
70
71     if(ch==2):
72         select()
73
74     if(ch==3):
75         id=int(input("Enter the Roll No:"))
76         name=input("Enter the Name:")
77         age=int(input("Enter the Age:"))
78         city=input("Enter the City:")
79         update(id,name,age,city)
80
81     if(ch==4):
82         id=int(input("Enter the Roll No:"))
83         delete('id')
84
85     if(ch==5):
86         quit()
87
88     if(ch>5):
89         print("Enter the valid choice")
90 except Error as e:
91     print("Error while connection to MySql",e)
92
93 finally:
94
95     if connection.is_connected():
96         connection.close()
97         print("MySql connection is closed")
98

```

Output:

```

101 Connected to MySql server version 8.0.34

```

1.Insert

```

104 #####MENU#####
105 1.Insert a Record
106 2.Display Records
107 3.Update a Record
108 4.Delete a Record
109 Enter your choice:1
110 Enter the Roll No:1
111 Enter the Name:ABC
112 Enter the Age:20
113 Enter the City:Pune
114 Data is Inserted

```

2.Select

```

117 #####MENU#####
118 1.Insert a Record
119 2.Display Records
120 3.Update a Record
121 4.Delete a Record
122 Enter your choice:2
123 Roll No  Name      Age  City
124 -----  -
125         1  ABC      20  Pune

```

3.Update

```

128 #####MENU#####
129 1.Insert a Record
130 2.Display Records
131 3.Update a Record
132 4.Delete a Record
133 Enter your choice:3
134 Enter the Roll No:1
135 Enter the Name:XYZ
136 Enter the Age:25

```