

```
1 //program no 1:
2 // JDBC- Inserting Records through Eclipse IDE into MySQL
3 //Database
4 package com.jdbcprograms;
5 import java.sql.*;
6 import java.util.Scanner;
7
8 public class Student_Insert {
9     public static void main(String[] args) {
10
11         Scanner sc = new Scanner (System.in);
12         System.out.println("Enter roll number ");
13         int rno = sc.nextInt();
14         System.out.println("Enter Name ");
15         String sname = sc.next();
16         System.out.println("Enter address");
17         String saddress = sc.next();
18         try {
19             Class.forName("com.mysql.cj.jdbc.Driver");
```

```
20      Connection con =DriverManager.getConnection("jdbc:
21      mysql://localhost:3306/MCADIVA", "root","root");
22
23      PreparedStatement ps = con.prepareStatement("insert
24      into student values (?,?,?)");
25      ps.setInt(1, rno);
26      ps.setString(2, sname);
27      ps.setString(3, saddress);
28
29      int x = ps.executeUpdate();
30
31      if (x>0)
32      {
33          System.out.println("Data inserted successfully
34      }
35      else
36      {
37          System.out.println("Data is not inserted ");
38      }
```

```
39         con.close();
40     }catch (Exception e) {
41         e.printStackTrace();
42     }
43 }
44 }
```

45 **OUTPUT:**

46 Enter roll number

47 105

48 Enter Name

49 Govinda

50 Enter address

51 Thane

52 Data inserted successfully

53

54 MySQL Database Table view

55 -----

56 rno sname saddress

57 -----

```
58 101 gopal    Pune
59 102 ajay     mumbai
60 103 Viraj    Solapur
61 104 arjun    goa
62 105 Govinda Thane
63 =====
64 //program no 2:
65 // JDBC- Updating Records through Eclipse IDE into MySQL Database
66 package com.jdbcprograms;
67
68 import java.sql.Connection;
69 import java.sql.DriverManager;
70 import java.sql.PreparedStatement;
71
72 public class Student_Update {
73
74     public static void main(String[] args) {
75         try {
76             Class.forName("com.mysql.cj.jdbc.Driver");
```

```
77      Connection con =DriverManager.getConnection("jdbc:
78      mysql://localhost:3306/MCADIVA", "root","root");
79
80      PreparedStatement ps = con.prepareStatement("update
81      student set sname=?, saddress=? where rno=?");
82
83      ps.setString(1, "Hritik");
84      ps.setString(2, "Chandrapur");
85      ps.setInt(3, 105);
86      int x = ps.executeUpdate();
87      if (x>0)
88      {
89          System.out.println("Data updated successfully
90      }
91      else
92      {
93          System.out.println("Data is not updated");
94      }
95      con.close();
```

```
96         }catch (Exception e) {
97             e.printStackTrace();
98         }
99     }
100 }
```

101 OUTPUT:

102 Data updated successfully

103

104 MySQL Database Table view

105 -----

106 rno sname saddress

107 -----

108 101 gopal Pune

109 102 ajay mumbai

110 103 Viraj Solapur

111 104 arjun goa

112 105 Hritik Chandrapur

113 =====.

114 //program no 3:

```
115 // JDBC- Reading Records through Eclipse IDE from MySQL Databa.
116 package com.jdbcprograms;
117
118 import java.sql.Connection;
119 import java.sql.DriverManager;
120 import java.sql.PreparedStatement;
121 import java.sql.ResultSet;
122
123 public class Student_Reading {
124     public static void main(String[] args) {
125         try {
126             Class.forName("com.mysql.cj.jdbc.Driver");
127             Connection con = DriverManager.getConnection("jdbc:
128             mysql://localhost:3306/MCADIVA", "root", "root");
129
130             PreparedStatement ps = con.prepareStatement("selec
131             * from student");
132             ResultSet rs = ps.executeQuery();
133             while (rs.next())
```

```
134         {
135             System.out.println(rs.getInt(1)+"\t"+rs.getString(2)+
136                 "\t"+rs.getString(3));
137         }
138         con.close();
139     }catch (Exception e) {
140         e.printStackTrace();
141     }
142 }
```

```
143 }
```

144 OUTPUT:

```
145 101 gopal    Pune
```

```
146 102 ajay     mumbai
```

```
147 103 Viraj    Solapur
```

```
148 104 arjun    goa
```

```
149 105 Hritik   Chandrapur
```

```
150 =====
```

```
151 //program no 4:
```

```
152 // JDBC- Deleting Records through Eclipse IDE in MySQL Databases
```



```
153 package com.jdbcprograms;
154 import java.sql.Connection;
155 import java.sql.DriverManager;
156 import java.sql.PreparedStatement;
157 import java.util.Scanner;
158
159 public class Student_Delete {
160     public static void main(String[] args) {
161         Scanner sc =new Scanner(System.in);
162         System.out.println("Enter rollno to delete record :");
163         int rno = sc.nextInt();
164         try {
165             Class.forName("com.mysql.cj.jdbc.Driver");
166             Connection con =DriverManager.getConnection("jdbc:
167             mysql://localhost:3306/MCADIVA", "root","root");
168
169             PreparedStatement ps = con.prepareStatement("delete
170             from student where rno=?");
171             ps.setInt(1, rno);
```

```
172         int x = ps.executeUpdate();
173         if(x>0)
174         {
175             System.out.println("Record deleted successfully");
176         }
177         else
178         {
179             System.out.println("Record NOT deleted");
180         }
181         con.close();
182
183     }catch (Exception e) {
184         e.printStackTrace();
185     }
186 }
187 }
188 OUTPUT:
189 Enter rollno to delete record :
190 105
```

191 Record deleted successfully

192

193 MySQL Database Table view

194 -----

195 rno sname saddress

196 -----

197 101 gopal Pune

198 102 ajay mumbai

199 103 Viraj Solapur

200 104 arjun goa

201 =====.