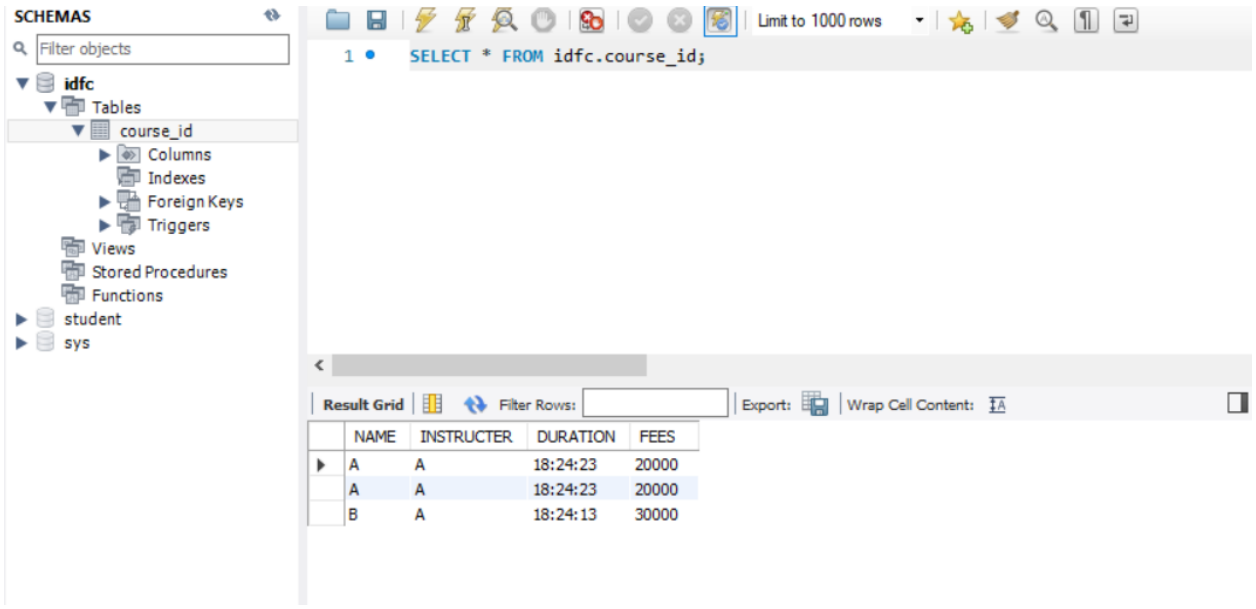
1. Create a JDBC Connectivity and perform CRUD Operation for the following Schema. COURSE ID NAME INSTRUCTOR DURATION FEES\

Insert

```java
package com.Java.Connection;

import java.sql.*;

public class Insert {
public static void main(String[] args) {
    //load the driver
    try {
        Class.forName("com.mysql.jdbc.Driver");
    } catch (ClassNotFoundException e) {

        // TODO: handle exception
        e.printStackTrace();
    }
    try(Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/idfc","root","Amity1999@1");
            Statement st = con.createStatement();) {

        String query = "INSERT INTO course_id(NAME,INSTRUCTER,DURATION,FEES) VALUES('A','A',\"18:24:23\",20000)";

        int count = st.executeUpdate(query);
        if (count==0) {
            System.out.println("Record Not inserted");
        }else {
            System.out.println("Record inserted");
        }
        }catch (SQLException  se) {
        System.out.println(se.getMessage());
        se.printStackTrace();
        }catch (Exception e) {
            System.out.println(e.getMessage());
            e.printStackTrace();
        }
    }
}

```

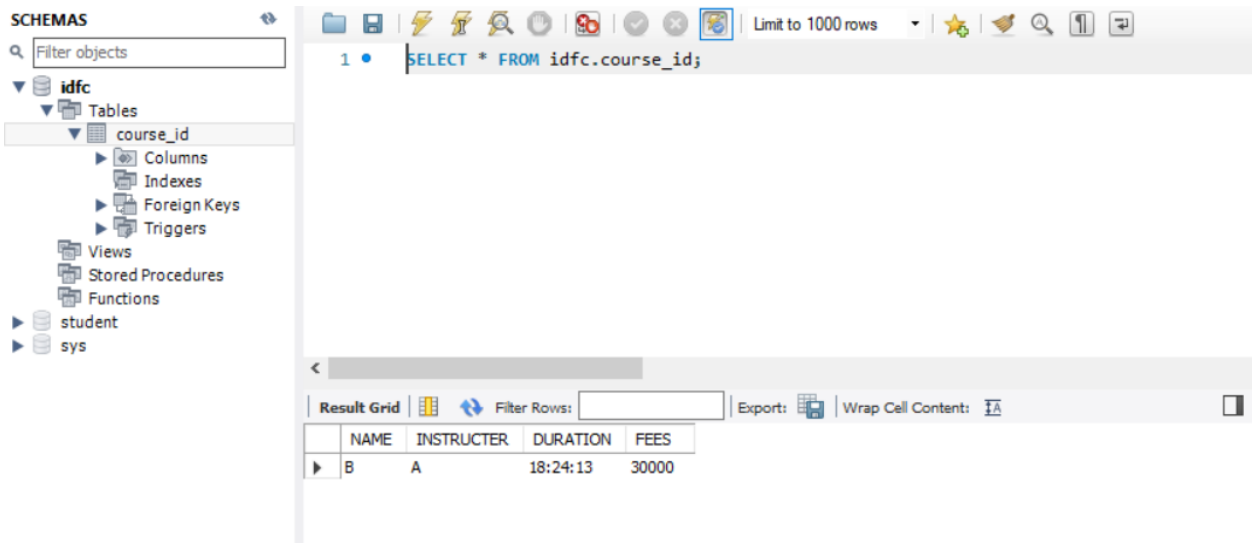
```
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI ar
Record inserted
```



Delete

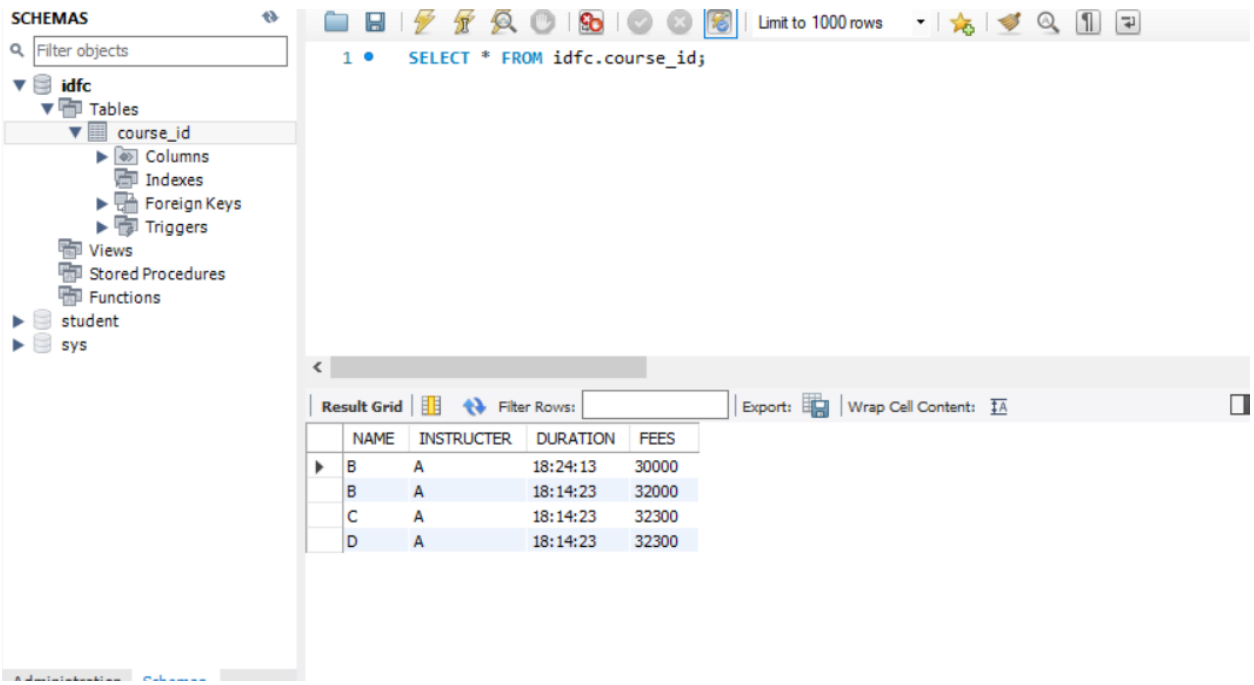
```java
package com.Java.Connection;
import java.sql.*;

public class Delete {
    public static void main(String[] args) {
        //load the driver
        try {
            Class.forName("com.mysql.jdbc.Driver");
        } catch (ClassNotFoundException e) {

            // TODO: handle exception
            e.printStackTrace();
        }
        try(Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/idfc","root","Amity1999@1");
                Statement st = con.createStatement();) {

            String query = "DELETE FROM course_id WHERE NAME = 'A'";

            int count = st.executeUpdate(query);
            if (count==0) {
                System.out.println("Record Not Deleted");
            }else {
                System.out.println("Record Deleted");
            }
            }catch (SQLException  se) {
            System.out.println(se.getMessage());
            se.printStackTrace();
            }catch (Exception e) {
                System.out.println(e.getMessage());
                e.printStackTrace();
            }
        }
}
```

```
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SP
Record Deleted
```



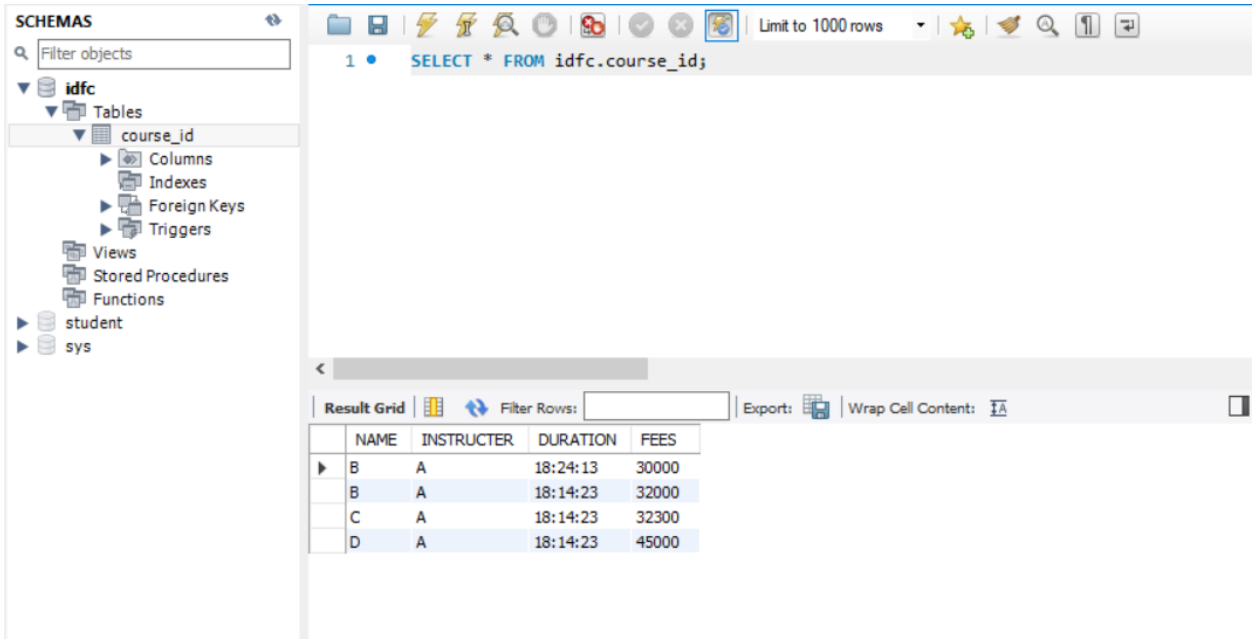
UPDATE

(Before Update database is)


SCHEMAS
Filter objects
idfc
Tables
course_id
Columns
Indexes
Foreign Keys
Triggers
Views
Stored Procedures
Functions
student
sys
Limit to 1000 rows
1 • SELECT * FROM idfc.course_id;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
NAME INSTRUCTER DURATION FEES
B A 18:24:13 30000
B A 18:14:23 32000
C A 18:14:23 32300
D A 18:14:23 32300

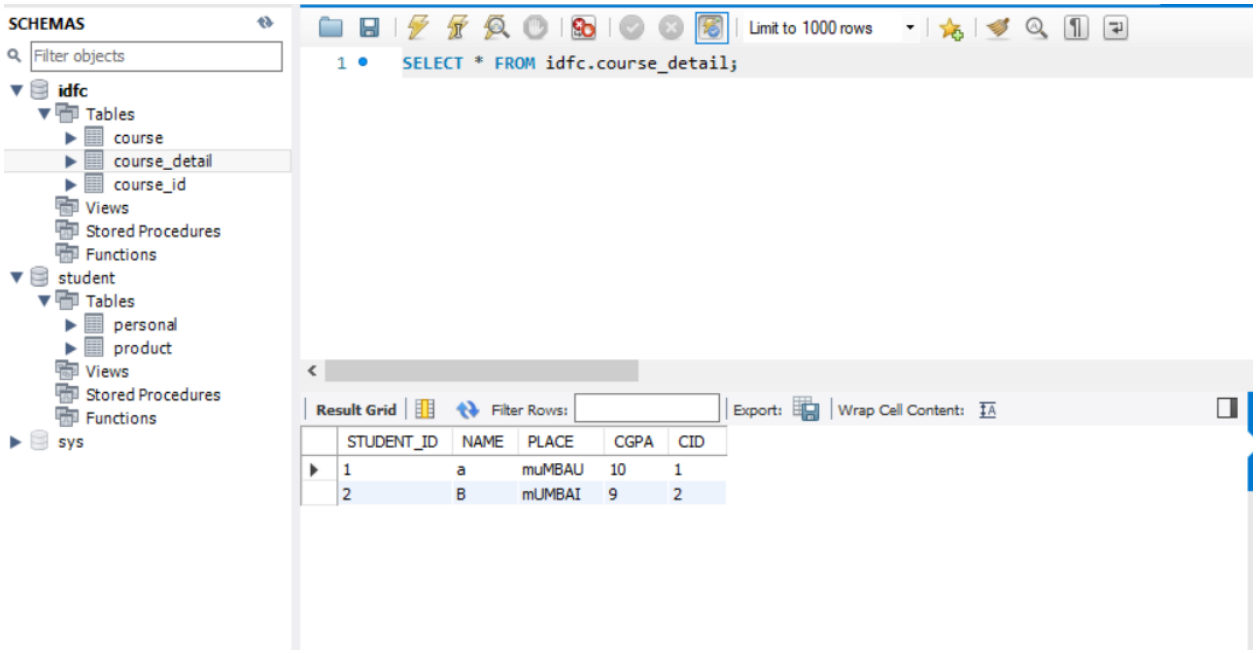
```java
package com.Java.Connection;
import java.sql.*;
public class Update {
    public static void main(String[] args) {
        //load the driver
        try {
            Class.forName("com.mysql.jdbc.Driver");
        } catch (ClassNotFoundException e) {

            // TODO: handle exception
            e.printStackTrace();
        }
        try(Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/idfc","root","Amity1999@1");
                Statement st = con.createStatement();) {

            String query = "UPDATE course_id SET FEES = 45000 WHERE NAME = 'D'"  ;

            int count = st.executeUpdate(query);
            if (count==0) {
                System.out.println("Record Not Updated");
            }else {
                System.out.println("Record Updated");
            }
            }catch (SQLException  se) {
            System.out.println(se.getMessage());
            se.printStackTrace();
            }catch (Exception e) {
                System.out.println(e.getMessage());
                e.printStackTrace();
            }
        }

}
```

```
<terminated> Update [Java Application] C:\Users\Amit\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_18.0.2.v20220903-1139\jre
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. T
Record Updated
```

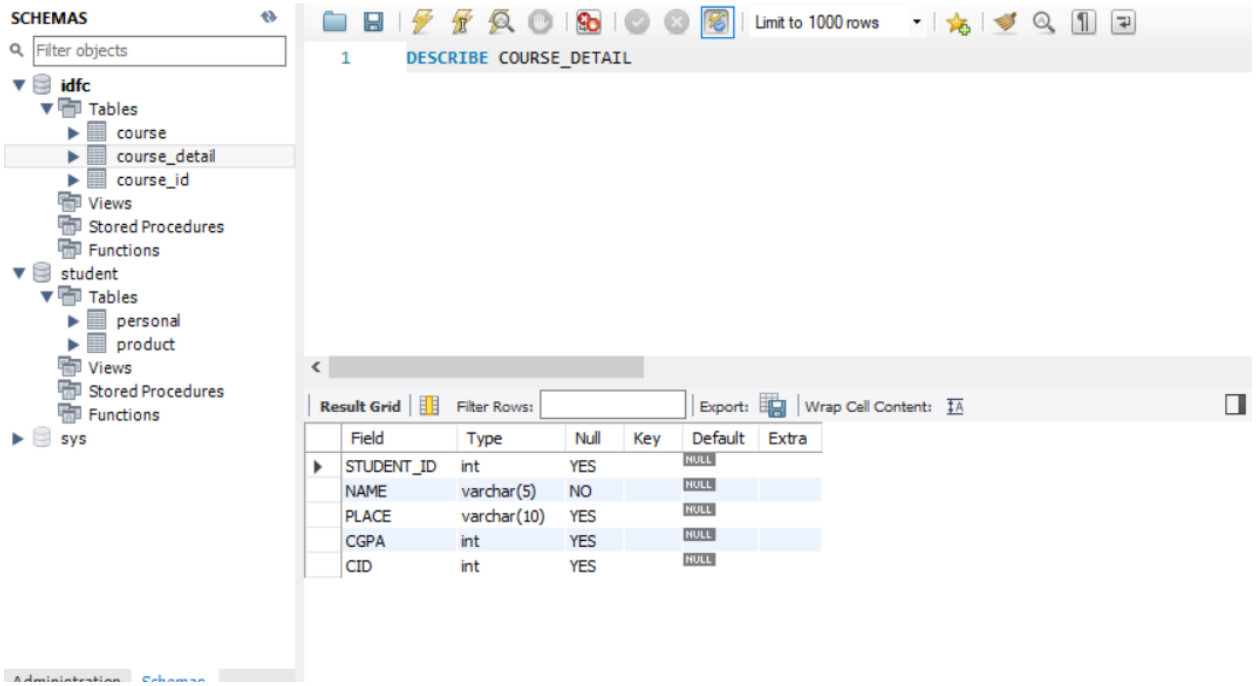


2. Describe the COURSE DETAIL Stable.

a. Student table has to be created based on the above schema (i) Name should not be null

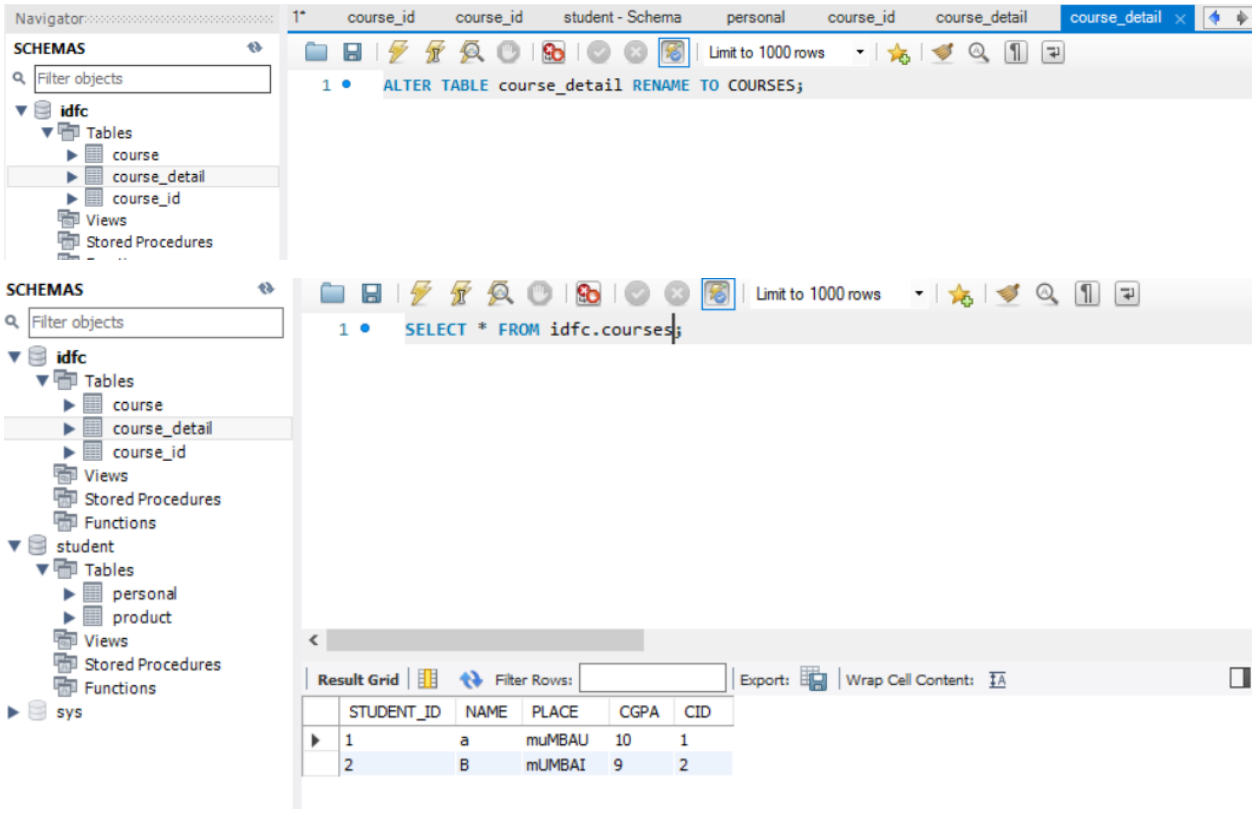


b. Describe the student table



C. Add an extra column credit in the course table (Note: a single digit number will be stored).

f. Rename the COURSE_DETAILS as COURSE.


Navigator:
SCHEMAS
Filter objects
idfc
Tables
course
course_detail
course_id
Views
Stored Procedures
1*
course_id
course_id
student - Schema
personal
course_id
course_detail
course_detail
Limit to 1000 rows
1 • ALTER TABLE course_detail RENAME TO COURSES;

SCHEMAS
Filter objects
idfc
Tables
course
course_detail
course_id
Views
Stored Procedures
Functions
student
Tables
personal
product
Views
Stored Procedures
Functions
sys
Limit to 1000 rows
1 • SELECT * FROM idfc.courses;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
STUDENT_ID NAME PLACE CGPA CID
1 a muMBAU 10 1
2 B mUMBAI 9 2