

JAVA AWT BASED- Online MOOC's year wise student database management system - SQL CONNECTIVITY USING JDBC

A

Report

*Submitted in partial fulfilment of the
Requirements for the award of the Degree of*

BACHELOR OF ENGINEERING

IN

INFORMATION TECHNOLOGY

By

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BONAFIDE CERTIFICATE

This to certify that the project report titled “APTITUDE QUIZ EXAM ANALYSIS SYSTEM” project work of Mr.D.ABHIRAJ GOUD bearing Roll.no:1602-18-737-061 who carried out this project under my supervision in the IV semester for the academic year 2019-2020.

B.LEELAVATHY

Signature
examiner

Signature external
internal examiner

ABSTRACT:

The analysis of student performance in aptitude quiz exam can be done using this application as a mediator interface.

The student details are entered along with the examination center details of aptitude quiz exam. Everyone gets a score card wherein they get the marks of each section and get the result whether they are passed or failed.

The database consists of the student details and the score card of each and every student in that particular list.

Requirement Analysis:

List of tables:

- *Student details*
- *writes/attempts*
- *Aptitude quiz exam*
- *Scores*
- *Marks scored*

List of attributes with their domain types:

Student_details:

NAME:	VARCHAR2(20)
HALLTICKET:	NUMBER (5)
MAIL_ID:	VARCHAR2(20)
CLASS:	VARCHAR2(20)

Apptitude_quiz_exam:

DURATION	NUMBER(5)
HALLTICKET	VARCHAR2(20)
EXAM_CENTER	VARCHAR2(20)

Marks_scored:

LOGICAL_REASONING	NUMBER(5)
VERBAL_ABILITY	NUMBER(5)
QUANTITATIVE_APTITUDE	NUMBER(5)
RESULT	VARCHAR2(10)
SHEET_ID	VARCHAR2(10)

APTITUDE_QUIZ_MARKS:

RANK	NUMBER(10)
SHEET_ID	VARCHAR2(10)
HALLTICKET	VARCHAR2(10)

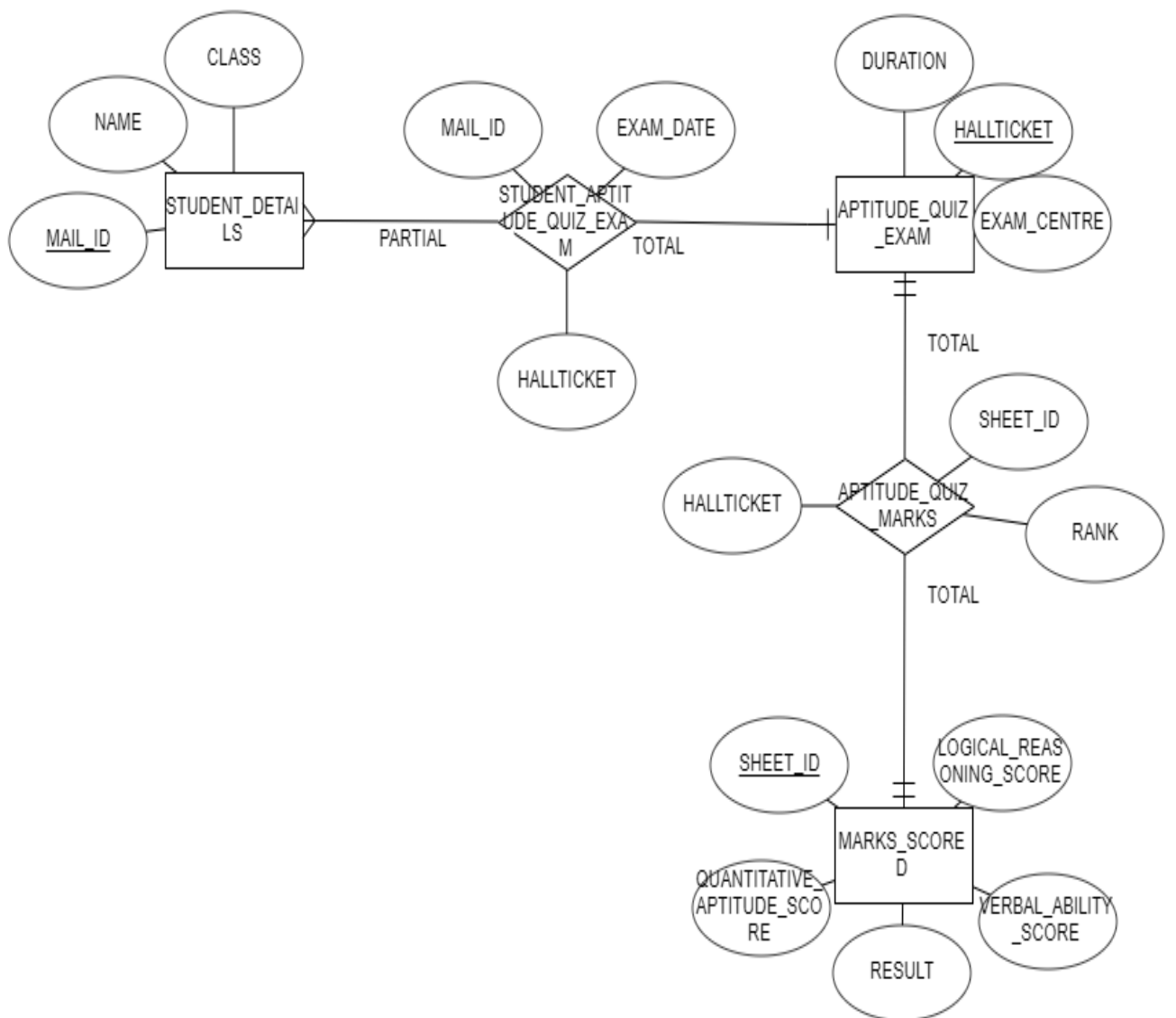
STUDENT_APTITUDE_QUIZ_EXAM:

EXAM_DATE	DATE
MAIL_ID	VARCHAR2(10)

HALLTICKET

VARCHAR2(10)

ER DIAGRAM:



MAPPING CARDINALITIES AND PARTICIPATION CONSTRAINTS:

- One student can give any number of exams, so many to one cardinality suit writes.
- Each student who writes the exam has one score card, so one to one cardinality suit scores.
- All the students might not write the exam so the student details is partial.
- All the exams written are related to students so it is total.
- Marks scored by students in the exam must be related to the exam so it is total participation.

DDL AND DML COMMANDS:

```
SQL>create table student_details(  
    2 hallticket number(5) primary key,  
    3 name varchar2(20),  
    4 mail_id varchar2(20),  
    5 class varchar2(20));
```

Table created.

```
SQL> create table aptitude_quiz_exam(  
    2 duration number(5),  
    3 hallticket varchar2(20),  
    4 exam_center varchar2(20));
```

Table created.

```
SQL> create table marks_scored(  
    2 logical_reasoning number(5),  
    3 verbal_ability number(5),  
    4 quantitative_aptitude number(5),  
    5 result varchar2(20),  
    6 hallticket number(5));
```

Table created.

```
SQL> create table APTITUDE_QUIZ_MARKS(  
  2 rank number(10));  
  3 sheet_id varchar2(20);  
  4 hallticket varchar2(20);
```

Table created.

```
SQL> create table STUDENT_APTITUDE_QUIZ_EXAM (  
  2 exam_date date);
```

Table created.

```
SQL> desc student_details;
```

Name	Null?	Type

HALLTICKET		NOT NULL NUMBER(5)
NAME		VARCHAR2(20)
MAIL_ID		VARCHAR2(20)
CLASS		VARCHAR2(20)

```
SQL> desc aptitude_quiz_exam;
```

Name	Null?	Type
------	-------	------

DURATION		NUMBER(5)
HALLTICKET		VARCHAR2(20)
EXAM_CENTER		VARCHAR2(20)

```
SQL> desc marks_scored;
```

Name	Null?	Type
------	-------	------

LOGICAL_REASONING		NUMBER(5)
VERBAL_ABILITY		NUMBER(5)
QUANTITATIVE_APTITUDE		NUMBER(5)
RESULT		VARCHAR2(20)
HALLTICKET		NUMBER(5)

```
SQL> desc APTITUDE_QUIZ_MARKS;
```

Name	Null?	Type
------	-------	------

RANK		NUMBER(10)
------	--	------------

HALLTICKET		VARCHAR2(20)
------------	--	--------------

SHEET_ID		VARCHAR2(20)
----------	--	--------------

```
SQL> DESC STUDENT_APTITUDE_QUIZ_EXAM;
```

Name	Null?	Type
------	-------	------

MAIL_ID		VARCHAR2(20)
---------	--	--------------

HALLTICKET		VARCHAR2(20)
------------	--	--------------

EXAM_DATE		VARCHAR2(20)
-----------	--	--------------

```
SQL> alter table scores(
```

```
2 alter table scores add (hallticket number(5));
```

```
Table altered.
```

SQL> alter table writes add(hallticket number(5));

Table altered.

SQL> insert into student_details
values(&hallticket,&name,&mail_id,&class');

Enter value for hallticket: 061

Enter value for name: abhi

Enter value for mail_id: abhi123@gmail.com

Enter value for class: btech 2nd year

old 1: insert into student_details
values(&hallticket,&name,&mail_id,&class')

new 1: insert into student_details
[values\(061,'abhi','abhi123@gmail.com','btech](#) 2nd year')

1 row created.

SQL> /

Enter value for hallticket: 071

Enter value for name: ajay

Enter value for mail_id: ajayband@yahoo.com

Enter value for class: btech 4th year

```
old          1:      insert      into      student_details
values(&hallticket,&'name',&'mail_id',&'class')
```

```
new          1:      insert      into      student_details
values\(071,'ajay','ajayband@yahoo.com','btech 4th year'\)
```

1 row created.

SQL> /

Enter value for hallticket: 88

Enter value for name: badri

Enter value for mail_id: badri143@gmail.com

Enter value for class: btech 3rd year

```
old          1:      insert      into      student_details
values(&hallticket,&'name',&'mail_id',&'class')
```

```
new          1:      insert      into      student_details
values\(88,'badri','badri143@gmail.com','btech 3rd year'\)
```

1 row created.

SQL> /

Enter value for hallticket: 98

Enter value for name: ram

Enter value for mail_id: ramnath@gmail.com

Enter value for class: btech2nd year

```
old          1:      insert      into      student_details
values(&hallticket,&name','&mail_id','&class')
```

```
new          1:      insert      into      student_details
values\(98,'ram','ramnath@gmail.com','btech2nd year'\)
```

1 row created.

SQL> /

Enter value for hallticket: 110

Enter value for name: vaishnavi

Enter value for mail_id: vaisho4@gmail.com

Enter value for class: btech 2nd year

```
old          1:      insert      into      student_details
values(&hallticket,&name','&mail_id','&class')
```

```
new          1:      insert      into      student_details
values\(110,'vaishnavi','vaisho4@gmail.com','btech 2nd year'\)
```

1 row created.

```
SQL> insert into aptitude_quiz_exam values
(&duration,&hallticket,&exam_center');
```

Enter value for duration: 3

Enter value for hallticket: o61

Enter value for exam_center: banjara hills

```
old      1: insert into aptitude_quiz_exam values
(&duration,&hallticket,&exam_center')
```

```
new      1: insert into aptitude_quiz_exam values
(3,'o61','banjara hills')
```

1 row created.

```
SQL> /
```

Enter value for duration: 3

Enter value for hallticket: o71

Enter value for exam_center: narsingi

```
old      1: insert into aptitude_quiz_exam values
(&duration,&hallticket,&exam_center')
```

```
new      1: insert into aptitude_quiz_exam values
(3,'o71','narsingi')
```

1 row created.

SQL> /

Enter value for duration: 3

Enter value for hallticket: 88

Enter value for exam_center: mehdipatnam

old 1: insert into aptitude_quiz_exam values
(&duration,&hallticket,&exam_center')

new 1: insert into aptitude_quiz_exam values
(3,'88','mehdipatnam')

1 row created.

SQL> /

Enter value for duration: 3

Enter value for hallticket: 98

Enter value for exam_center: miyapur

old 1: insert into aptitude_quiz_exam values
(&duration,&hallticket,&exam_center')

new 1: insert into aptitude_quiz_exam values
(3,'98','miyapur')

1 row created.

SQL> /

Enter value for duration: 3

Enter value for hallticket: 110

Enter value for exam_center: jubilee hills

old 1: insert into aptitude_quiz_exam values (&duration,'&hallticket','&exam_center')

new 1: insert into aptitude_quiz_exam values (3,'110','jubilee hills')

1 row created.

SQL> insert into marks_scored values(&logical_reasoning,&verbal_ability,&quantitative_ap
titude,'&result','&hallticket);

Enter value for logical_reasoning: 22

Enter value for verbal_ability: 21

Enter value for quantitative_apitude: 20

Enter value for result: pass

Enter value for hallticket: 061

old 1: insert into marks_scored values(&logical_reasoning,&verbal_ability,&quantitative_ap
titude,'&result','&hallticket)

```
new 1: insert into marks_scored values(22,21,20,'pass',061)
```

1 row created.

```
SQL> /
```

Enter value for logical_reasoning: 09

Enter value for verbal_ability: 11

Enter value for quantitative_apptitude: 1

Enter value for result: fail

Enter value for hallticket: 071

```
old          1:      insert      into      marks_scored
values(&logical_reasoning,&verbal_ability,&quantitative_ap
titude,'&result',&hallticket)
```

```
new 1: insert into marks_scored values(09,11,1,'fail',071)
```

1 row created.

```
SQL> /
```

Enter value for logical_reasoning: 19

Enter value for verbal_ability: 16

Enter value for quantitative_apptitude: 14

Enter value for result: pass

Enter value for hallticket: 88

```
old          1:      insert      into      marks_scored
values(&logical_reasoning,&verbal_ability,&quantitative_ap
titude,'&result',&hallticket)
```

```
new  1: insert into marks_scored values(19,16,14,'pass',88)
```

1 row created.

SQL> /

Enter value for logical_reasoning: 3

Enter value for verbal_ability: 2

Enter value for quantitative_apitude: 4

Enter value for result: fail

Enter value for hallticket: 98

```
old          1:      insert      into      marks_scored
values(&logical_reasoning,&verbal_ability,&quantitative_ap
titude,'&result',&hallticket)
```

```
new  1: insert into marks_scored values(3,2,4,'fail',98)
```

1 row created.

SQL> /

Enter value for logical_reasoning: 24

Enter value for verbal_ability: 25

Enter value for quantitative_apptitude: 23

Enter value for result: pass

Enter value for hallticket: 110

```
old          1:      insert      into      marks_scored
values(&logical_reasoning,&verbal_ability,&quantitative_ap
titude,&result,&hallticket)
```

```
new  1: insert into marks_scored values(24,25,23,'pass',110)
```

1 row created.

```
SQL> insert into writes values('&exam_date',&hall_ticket);
```

Enter value for exam_date: 03-FEB-2020

Enter value for hall_ticket: 061

```
old  1: insert into writes values('&exam_date',&hall_ticket)
```

```
new  1: insert into writes values('03-FEB-2020',061)
```

1 row created.

```
SQL> /
```

Enter value for exam_date: 03-FEB-2020

Enter value for hall_ticket: 071

old 1: insert into writes values('&exam_date',&hall_ticket)

new 1: insert into writes values('03-FEB-2020',071)

1 row created.

SQL> /

Enter value for exam_date: 03-FEB-2020

Enter value for hall_ticket: 88

old 1: insert into writes values('&exam_date',&hall_ticket)

new 1: insert into writes values('03-FEB-2020',88)

1 row created.

SQL> /

Enter value for exam_date: 19-OCT-2019

Enter value for hall_ticket: 98

old 1: insert into writes values('&exam_date',&hall_ticket)

new 1: insert into writes values('19-OCT-2019',98)

1 row created.

SQL> /

Enter value for exam_date: 03-FEB-2020

Enter value for hall_ticket: 110

old 1: insert into writes values('&exam_date',&hall_ticket)

new 1: insert into writes values('03-FEB-2020',110)

1 row created.

SQL> INSERT INTO scores values(&rank,&hallticket);

Enter value for rank: 1

Enter value for hallticket: 061

old 1: INSERT INTO scores values(&rank,&hallticket)

new 1: INSERT INTO scores values(1,061)

1 row created.

SQL> /

Enter value for rank: 9999

Enter value for hallticket: 071

old 1: INSERT INTO scores values(&rank,&hallticket)

new 1: INSERT INTO scores values(9999,071)

1 row created.

SQL> /

Enter value for rank: 179767246

Enter value for hallticket: 88

old 1: INSERT INTO scores values(&rank,&hallticket)

new 1: INSERT INTO scores values(179767246,88)

1 row created.

SQL> /

Enter value for rank: 97536

Enter value for hallticket: 98

old 1: INSERT INTO scores values(&rank,&hallticket)

new 1: INSERT INTO scores values(97536,98)

1 row created.

SQL> /

Enter value for rank: 432

Enter value for hallticket: 110

old 1: INSERT INTO scores values(&rank,&hallticket)

new 1: INSERT INTO scores values(432,110)

1 row created.

SQL> select * from student_details;

HALLTICKET NAME	MAIL_ID	CLASS
61 abhi	abhi123@gmail.com	btech 2nd year
71 ajay	ajayband@yahoo.com	btech 4th year
88 badri	badri143@gmail.com	btech 3rd year
98 ram	ramnath@gmail.com	btech2ndyear
110 vaishnavi	vaisho4@gmail.com	btech2ndyear

SQL> select * from aptitude_quiz_exam;

DURATION	HALLTICKET	EXAM_CENTER
3	061	banjara hills
3	071	narsingi
3	88	mehdipatnam

3	98	miyapur
3	110	jubilee hills

SQL> select * from marks_scored;

LOGICAL_REASONING	VERBAL_ABILITY
QUANTITATIVE_APTITUDE RESULT	

--

HALLTICKET

22	21	20 pass
61		
9	11	1 fail
71		
19	16	14 pass
88		

LOGICAL_REASONING	VERBAL_ABILITY
QUANTITATIVE_APTITUDE RESULT	

--
HALLTICKET

3	2	4 fail
98		
24	25	23 pass
110		

SQL> select * from STUDENT_APTITUDE_QUIZ_EXAM;

MAIL_ID	HALLTICKET	EXAM_DATE
---------	------------	-----------

abhi123@gmail.com	061	03-FEB-2020
badri143@gmail.com	88	03-FEB-2020
ajayband@yahoo.com	071	03-FEB-2020
ramnath@gmail.com	98	27-FEB-2020
vaisho4@gmail.com	110	03-FEB-2020

```
SQL> select * from APTITUDE_QUIZ_MARKS;
```

RANK	HALLTICKET	SHEET_ID
1	061	123
9999	071	134
179767246	88	145
97536	98	189
432	110	210

DESCRIPTION:

The code describes about the analysis of the student in aptitude quiz exam. The marks along with the result has been displayed of the student in this mini project.

THROUGH THE PROJECT:

This project helps to store data in a efficient way and it can be achieved through various sql commands and we can also store this for any future use and also we can save our data in a many different areas so we cannot lost all the data at once. The details cannot be lost so it is safer to use it .

IMPLEMENTATION

FRONT END PROGRAMS

1)insert aptitude quiz exam details:

```
package aptitude_analysis;
```

```
import java.awt.FlowLayout;
```

```
import java.awt.GridLayout;
```

```
import java.awt.TextArea;
```

```
import java.awt.event.ActionEvent;
```

```
import java.awt.event.ActionListener;
```

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
import java.sql.SQLException;

import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JOptionPane;
import javax.swing.JPanel;
import javax.swing.JTextField;

public class insert_apititude_quiz_exam extends JFrame {

    /**
     *
     */

    private static final long serialVersionUID = 1L;
    JPanel jp1,jp2,jp3;
    Connection con;
    int i;
    java.sql.Statement stmt;
    JLabel du;
```

```
JLabel ht;  
JLabel ec;  
JTextField d,h,e;  
TextArea ta;  
JButton in;  
void displaySQLExceptions(SQLException e) {  
    ta.append("\nSQLException:" + e.getMessage() + "\n");  
    ta.append("SQLState:  " + e.getSQLState() + "\n");  
    ta.append("VendorError: " + e.getErrorCode() + "\n");  
}
```

```
public insert_apititude_quiz_exam()  
{  
    try {  
        Class.forName("oracle.jdbc.driver.OracleDriver");  
    } catch (ClassNotFoundException e) {  
        // TODO Auto-generated catch block  
        e.printStackTrace();  
    }  
    try {
```

```
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:ORCL","project","vasavi");
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        displaySQLErrors(e);
    }
    try {
        stmt=con.createStatement();
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        displaySQLErrors(e);
    }

    du=new JLabel("Duration of exam");
    d=new JTextField(10);
    ht=new JLabel("Hall-ticket");
    h=new JTextField(10);
    ec=new JLabel("Exam-center");
    e=new JTextField(10);
    ta=new TextArea(20,100);
    in=new JButton("submit");
```



```
jp1=new JPanel(new FlowLayout());
jp2=new JPanel(new FlowLayout());
jp3=new JPanel(new FlowLayout());
jp1.add(du);
jp1.add(d);
jp1.add(ht);
jp1.add(h);
jp1.add(ec);
jp1.add(e);
jp2.add(in);
jp3.add(ta);
add(jp1);
add(jp2);
add(jp3);
setVisible(true);
setSize(2000,1000);
setTitle("Enter following details:");
setLayout(new FlowLayout());
pack();
in.addActionListener(new ActionListener() {
```

```

@Override
public void actionPerformed(ActionEvent argo) {
    // TODO Auto-generated method stub
    try {
        String duration=d.getText();
        if(checkint(duration)==0) {
            JOptionPane.showMessageDialog(null,
"Duration should be an Integer");
            throw new Exception();
        }

        i=stmt.executeUpdate("insert          into
aptitude_quiz_exam      values      ("+      d.getText()
+", "+h.getText()+", "+e.getText()+")");
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        displaySQLErrors(e);
    } catch (Exception e1) {
        // TODO Auto-generated catch block
        e1.printStackTrace();
    }
    ta.append("\n Inserted "+i+"rows successfully");
}

```

```
        }  
    });  
}  
public int checkint(String rank) {  
    try {  
        Integer.parseInt(rank);  
        return 1;  
    }  
    catch(Exception e) {  
        return 0;  
    }  
  
}  
  
}
```

2)update aptitude quiz exam details

```
package aptitude_analysis;
```

```
import java.awt.FlowLayout;
```

```
import java.awt.GridLayout;
```

```
import java.awt.List;
```

```
import java.awt.TextArea;
```

```
import java.awt.event.ActionEvent;
```

```
import java.awt.event.ActionListener;
```

```
import java.awt.event.ItemEvent;
```

```
import java.awt.event.ItemListener;
```

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
```

```
import java.sql.ResultSet;
import java.sql.SQLException;

import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JPanel;
import javax.swing.JTextField;

public class update_apititude_quiz_exam extends JFrame{

    /**
     *
     */
    private static final long serialVersionUID = 1L;
    JPanel jp1,jp2,jp3;
    Connection con;
    int i;
    java.sql.Statement stmt;
    JLabel du;
    JLabel ht;
```

```
JLabel ec;
JTextField d,h,e;
TextArea ta;
JButton in;
List lis;
ResultSet rs;
String sel;
void displaySQLExceptions(SQLException e) {
    ta.append("\nSQLException:" + e.getMessage() + "\n");
    ta.append("SQLState:  " + e.getSQLState() + "\n");
    ta.append("VendorError: " + e.getErrorCode() + "\n");
}

public update_apititude_quiz_exam()
{
    try {
        Class.forName("oracle.jdbc.driver.OracleDriver");
    } catch (ClassNotFoundException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
}
```

```

    }
    try {

con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:ORCL","project","vasavi");

        } catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
        try {
            stmt=con.createStatement();
        } catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
        lis=new List();
        du=new JLabel("Duration of exam");
        d=new JTextField(10);
        ht=new JLabel("Hall-ticket");
        h=new JTextField(10);
        ec=new JLabel("Exam-center");

```

```
e=new JTextField(10);
ta=new TextArea(20,100);
in=new JButton("submit");
jp1=new JPanel(new FlowLayout());
jp2=new JPanel(new FlowLayout());
jp3=new JPanel(new FlowLayout());
jp1.add(du);
jp1.add(d);
jp1.add(ht);
jp1.add(h);
jp1.add(ec);
jp1.add(e);
jp2.add(in);
jp3.add(ta);
add(jp1);
add(jp2);
add(jp3);
add(lis);
try {
```



```

        rs=stmt.executeQuery("select      hallticket      from
aptitude_quiz_exam");
        while(rs.next()) {
            lis.add(rs.getString(1));
        }
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        displaySQLErrors(e);
    }
    lis.addItemListener(new ItemListener() {

```

```

        @Override
        public void itemStateChanged(ItemEvent argo) {
            // TODO Auto-generated method stub
            try {
                sel=lis.getSelectedItem();
                rs=stmt.executeQuery("select
duration,hallticket,exam_center from aptitude_quiz_exam
where hallticket="+lis.getSelectedItem()+"");
                if(rs.next()) {
                    d.setText(rs.getString(1));

```

```
        h.setText(rs.getString(2));
        e.setText(rs.getString(3));
    }
} catch (SQLException e) {
    // TODO Auto-generated catch block
    displaySQLErrors(e);
}
}

});

setVisible(true);
setSize(2000,1000);
setTitle("Enter following details:");
setLayout(new FlowLayout());
pack();
```

```
in.addActionListener(new ActionListener() {

    @Override
    public void actionPerformed(ActionEvent argo) {
        // TODO Auto-generated method stub
```

```

        try {
            i=stmt.executeUpdate("update
aptitude_quiz_exam                                set
duration="+d.getText()+",exam_center='"+e.getText()+"wh
ere hallticket='"+h.getText()+"");
        } catch (SQLException e) {
            // TODO Auto-generated catch block
            displaySQLErrors(e);
        }
        ta.append("\n Updated "+i+"rows successfully");
    }
});
}

```

```

}

```

3)delete aptitude quiz exam details

```

package aptitude_analysis;

```

```

import java.awt.FlowLayout;

```

```

import java.awt.GridLayout;

```

```

import java.awt.List;

```

```

import java.awt.TextArea;

```

```
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.event.ItemEvent;
import java.awt.event.ItemListener;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;

import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JPanel;
import javax.swing.JTextField;

public class delete_apptitude_quiz_exam extends JFrame{

    /**
     *
     */

    private static final long serialVersionUID = 1L;
```

```
JPanel jp1,jp2,jp3;  
Connection con;  
int i;  
java.sql.Statement stmt;  
JLabel du;  
JLabel ht;  
JLabel ec;  
JTextField d,h,e;  
TextArea ta;  
JButton in;  
List lis;  
ResultSet rs;  
String sel;  
  
public delete_apitude_quiz_exam()  
{  
    try {  
        Class.forName("oracle.jdbc.driver.OracleDriver");  
    } catch (ClassNotFoundException e) {  
        // TODO Auto-generated catch block  
        e.printStackTrace();  
    }  
}
```

```
}  
try {  
  
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:ORCL","project","vasavi");  
  
    } catch (SQLException e) {  
        // TODO Auto-generated catch block  
        e.printStackTrace();  
    }  
try {  
    stmt=con.createStatement();  
} catch (SQLException e) {  
    // TODO Auto-generated catch block  
    e.printStackTrace();  
}  
lis=new List();  
du=new JLabel("Duration of exam");  
d=new JTextField(10);  
ht=new JLabel("Hall-ticket");  
h=new JTextField(10);  
ec=new JLabel("Exam-center");
```

```
e=new JTextField(10);
ta=new TextArea(20,100);
in=new JButton("Delete");
jp1=new JPanel(new FlowLayout());
jp2=new JPanel(new FlowLayout());
jp3=new JPanel(new FlowLayout());
jp1.add(du);
jp1.add(d);
jp1.add(ht);
jp1.add(h);
jp1.add(ec);
jp1.add(e);
jp2.add(in);
jp3.add(ta);
add(jp1);
add(jp2);
add(jp3);
add(lis);
try {
```

```

        rs=stmt.executeQuery("select      hallticket      from
apitude_quiz_exam");
        while(rs.next()) {
            lis.add(rs.getString(1));
        }
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
    lis.addItemListener(new ItemListener() {

```

```

        @Override
        public void itemStateChanged(ItemEvent argo) {
            // TODO Auto-generated method stub
            try {
                sel=lis.getSelectedItem();
                rs=stmt.executeQuery("select
duration,hallticket,exam_center from apitude_quiz_exam
where hallticket="+lis.getSelectedItem()+"");
                if(rs.next()) {
                    d.setText(rs.getString(1));

```



```
        h.setText(rs.getString(2));
        e.setText(rs.getString(3));
    }
} catch (SQLException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}
}

});

setVisible(true);
setSize(2000,1000);
setTitle("Enter following details:");
setLayout(new FlowLayout());
pack();
```

```
in.addActionListener(new ActionListener() {

    @Override
    public void actionPerformed(ActionEvent argo) {
        // TODO Auto-generated method stub
```

```

        try {
            i=stmt.executeUpdate("delete          from
aptitude_quiz_exam where hallticket='"+h.getText()+"");
        } catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
        ta.append("\n deleted "+i+"rows successfully");
    }
});
}

}

```

4)Main Method

```

package aptitude_analysis;

import java.awt.FlowLayout;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;

import javax.swing.JFrame;

```

```

import javax.swing.JMenu;
import javax.swing.JMenuBar;
import javax.swing.JMenuItem;

public class First_frame extends JFrame {

    /**
     *
     */

    private static final long serialVersionUID = 1L;
    JMenuBar mnubar;
    JMenu m1,m2,m3,m4,m5;
    JMenuItem
in1,in2,in3,in4,in5,up1,up2,up3,up4,up5,dl1,dl2,dl3,dl4,dl5;
    public First_frame() {
        mnubar=new JMenuBar();
        m1=new JMenu("Student_Details");
        m2=new JMenu("Aptitude_Quiz_Exam");
        m3=new JMenu("Marks_scored");
        m4=new JMenu("Aptitude_quiz_marks");
        m5=new JMenu("Student_Aptitude_quiz_exam");
    }
}

```

```
in1=new JMenuItem("Insert");
up1=new JMenuItem("Update");
dl1=new JMenuItem("Delete");
in2=new JMenuItem("Insert");
up2=new JMenuItem("Update");
dl2=new JMenuItem("Delete");
in3=new JMenuItem("Insert");
up3=new JMenuItem("Update");
dl3=new JMenuItem("Delete");
in4=new JMenuItem("Insert");
up4=new JMenuItem("Update");
dl4=new JMenuItem("Delete");
in5=new JMenuItem("Insert");
up5=new JMenuItem("Update");
dl5=new JMenuItem("Delete");
setVisible(true);
setSize(2000,1000);
setTitle("Aptitude Quiz Performance Analysis");
setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
setLayout(new FlowLayout());
```

```
setJMenuBar(mnubar);  
mnubar.add(m1);  
m1.add(in1);  
m1.add(up1);  
m1.add(dl1);  
mnubar.add(m2);  
m2.add(in2);  
m2.add(up2);  
m2.add(dl2);  
mnubar.add(m3);  
m3.add(in3);  
m3.add(up3);  
m3.add(dl3);  
mnubar.add(m4);  
m4.add(in4);  
m4.add(up4);  
m4.add(dl4);  
mnubar.add(m5);  
m5.add(in5);  
m5.add(up5);
```

```
m5.add(dl5);
```

```
in1.addActionListener(new ActionListener() {
```

```
    @Override
```

```
    public void actionPerformed(ActionEvent e) {
```

```
        // TODO Auto-generated method stub
```

```
        new insert_student_details();
```

```
    }
```

```
});
```

```
up1.addActionListener(new ActionListener() {
```

```
    @Override
```

```
    public void actionPerformed(ActionEvent argo) {
```

```
        // TODO Auto-generated method stub
```

```
        new update_student_details();
```

```
    }
```

```
});
```

```
dh1.addActionListener(new ActionListener() {
```

```
    @Override
```

```
public void actionPerformed(ActionEvent e) {  
    // TODO Auto-generated method stub  
    new delete_student_details();  
  
}  
});  
in2.addActionListener(new ActionListener() {  
  
    @Override  
    public void actionPerformed(ActionEvent argo) {  
        // TODO Auto-generated method stub  
        new insert_apititude_quiz_exam();  
    }  
});  
up2.addActionListener(new ActionListener() {  
  
    @Override  
    public void actionPerformed(ActionEvent argo) {  
        // TODO Auto-generated method stub  
        new update_apititude_quiz_exam();  
    }  
});
```

```
    }  
});  
dl2.addActionListener(new ActionListener() {  
  
    @Override  
    public void actionPerformed(ActionEvent e) {  
        // TODO Auto-generated method stub  
        new delete_apitude_quiz_exam();  
    }  
});
```

```
in3.addActionListener(new ActionListener() {  
  
    @Override  
    public void actionPerformed(ActionEvent argo) {  
        // TODO Auto-generated method stub  
        new insert_marks_scored();  
    }  
});  
up3.addActionListener(new ActionListener() {
```



```
@Override
public void actionPerformed(ActionEvent argo) {
    // TODO Auto-generated method stub
    new update_marks_scored();

}
});
dl3.addActionListener(new ActionListener() {
```

```
@Override
public void actionPerformed(ActionEvent e) {
    // TODO Auto-generated method stub
    new delete_marks_scored();

}
});
in4.addActionListener(new ActionListener() {
```

```
@Override
public void actionPerformed(ActionEvent argo) {
    // TODO Auto-generated method stub
```

```
        new insert_apititude_quiz_marks();

    }

});

up4.addActionListener(new ActionListener() {

    @Override

    public void actionPerformed(ActionEvent argo) {

        // TODO Auto-generated method stub

        new update_apititude_quiz_marks();

    }

});

dl4.addActionListener(new ActionListener() {

    @Override

    public void actionPerformed(ActionEvent e) {

        // TODO Auto-generated method stub

        new delete_apititude_quiz_marks();

    }

});
```

```
in5.addActionListener(new ActionListener() {  
  
    @Override  
    public void actionPerformed(ActionEvent argo) {  
        // TODO Auto-generated method stub  
        new insert_student_Aptitude_quiz_exam();  
    }  
});
```

```
up5.addActionListener(new ActionListener() {  
  
    @Override  
    public void actionPerformed(ActionEvent argo) {  
        // TODO Auto-generated method stub  
        new update_student_Aptitude_quiz_exam();  
    }  
});
```

```
dl5.addActionListener(new ActionListener() {  
  
    @Override  
    public void actionPerformed(ActionEvent e) {
```

```
// TODO Auto-generated method stub
new delete_student_Aptitude_quiz_exam();

    }

});

}

public static void main(String a[]) {
    new First_frame();
}

}
```

Java-SQL Connectivity with the Database:

Java Database Connectivity (JDBC) is an application programming interface (API) for the programming language Java, which defines how a client may access a database. It is a Java-based data access technology used for Java database connectivity. It is part of the Java Standard Edition platform, from Oracle Corporation. It provides methods to query and update data in a database and is oriented towards relational databases.

Block of code for JAVA- SQL connectivity with JDBC:

```
public void connectToDB()
{
    try
    {

connection=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","project","vasavi");

statement=connection.createStatement();
    }
    catch(SQLException connectException)
    {

System.out.println(connectException.getMessage());

System.out.println(connectException.getSQLState());

System.out.println(connectException.getErrorCode());

        System.exit(1);
    }
Catch(Exception e)
```

```
        {  
            System.err.println("Unable to find and load  
driver");  
            System.exit(1);  
        }  
    }
```

Thus, the connection from Java to Oracle database is performed and therefore, can be used for updating tables in the database directly.

SOFTWARE USED:

*Java Eclipse, Oracle 11g Database, Java SE version 7, SQL*Plus.*

Java AWT:

Java AWT (Abstract Window Toolkit) is an API to develop GUI or window-based applications in java.

Java AWT components are platform-dependent i.e. components are displayed according to the view of operating system.

AWT is heavyweight i.e. its components are using the resources of OS. The java.awt package provides classes for

AWT API such as TextField, Label, TextArea, RadioButton, CheckBox, Choice, List etc.

SQL:

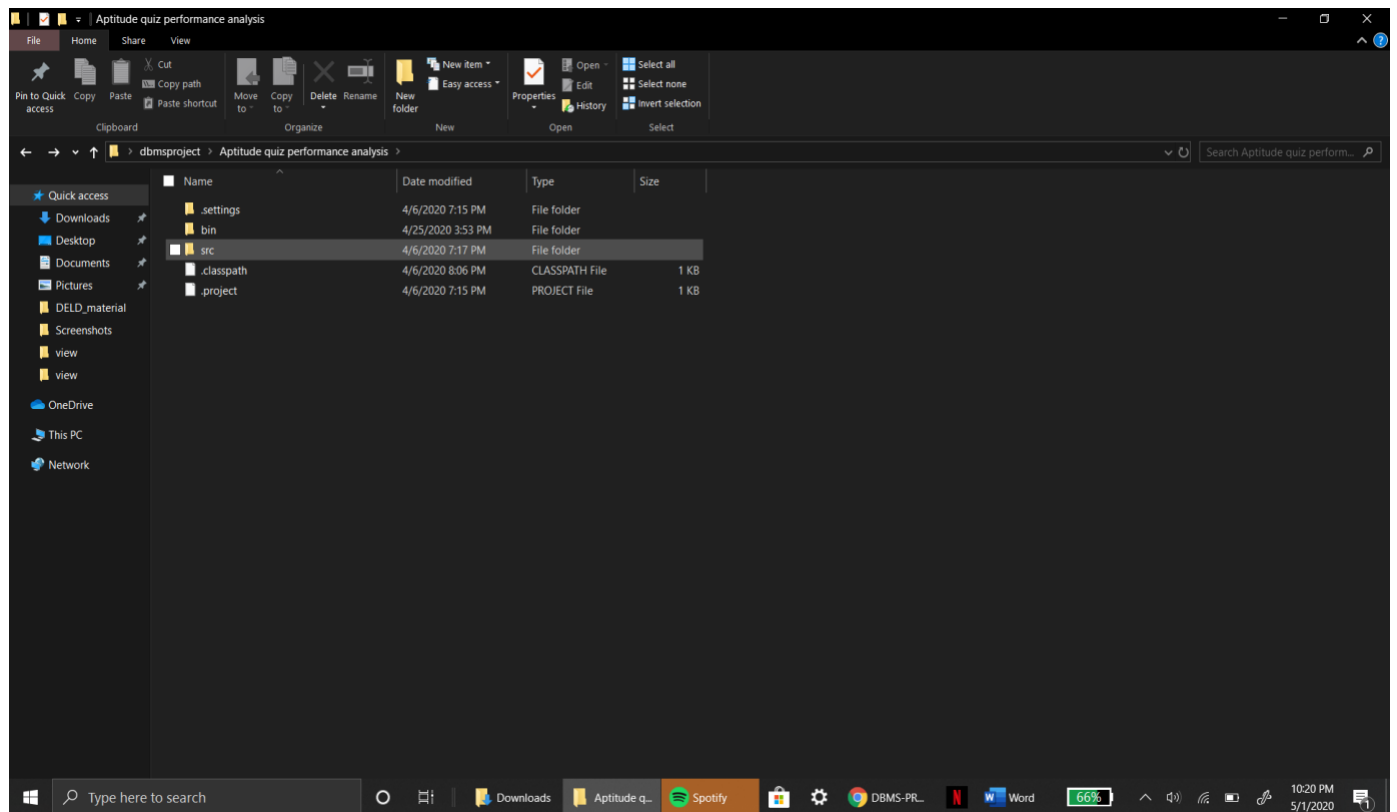
Structure Query Language(SQL) is a database query language used for storing and managing data in Relational DBMS. SQL was the first commercial language introduced for E.F Codd's Relational model of database. Today almost all RDBMS (MySQL, Oracle, Infomix, Sybase, MS Access) use SQL as the standard database query language. SQL is used to perform all types of data operations in RDBMS.

GITHUB LINK:

<https://github.com/abhirajgoud135/DBMS-PROJECT>

FOLDER STRUCTURE:

This project contains a folder named src in which it has 5 different folders for different purposes each folder has 3 codes such as to make insert, delete, update. By this we can navigate easily to reach code and we can make many changes as we can want easily.

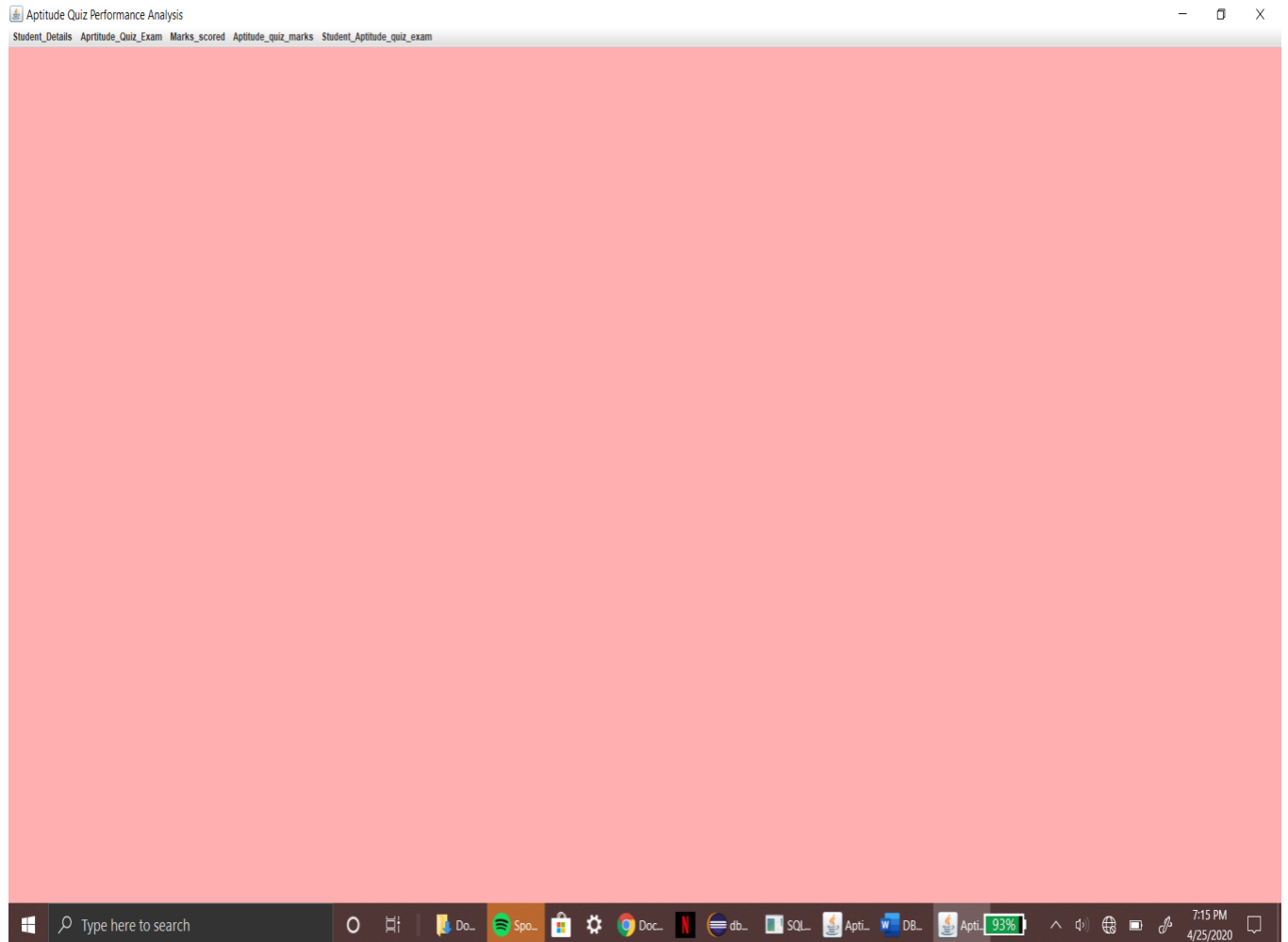


TESTING

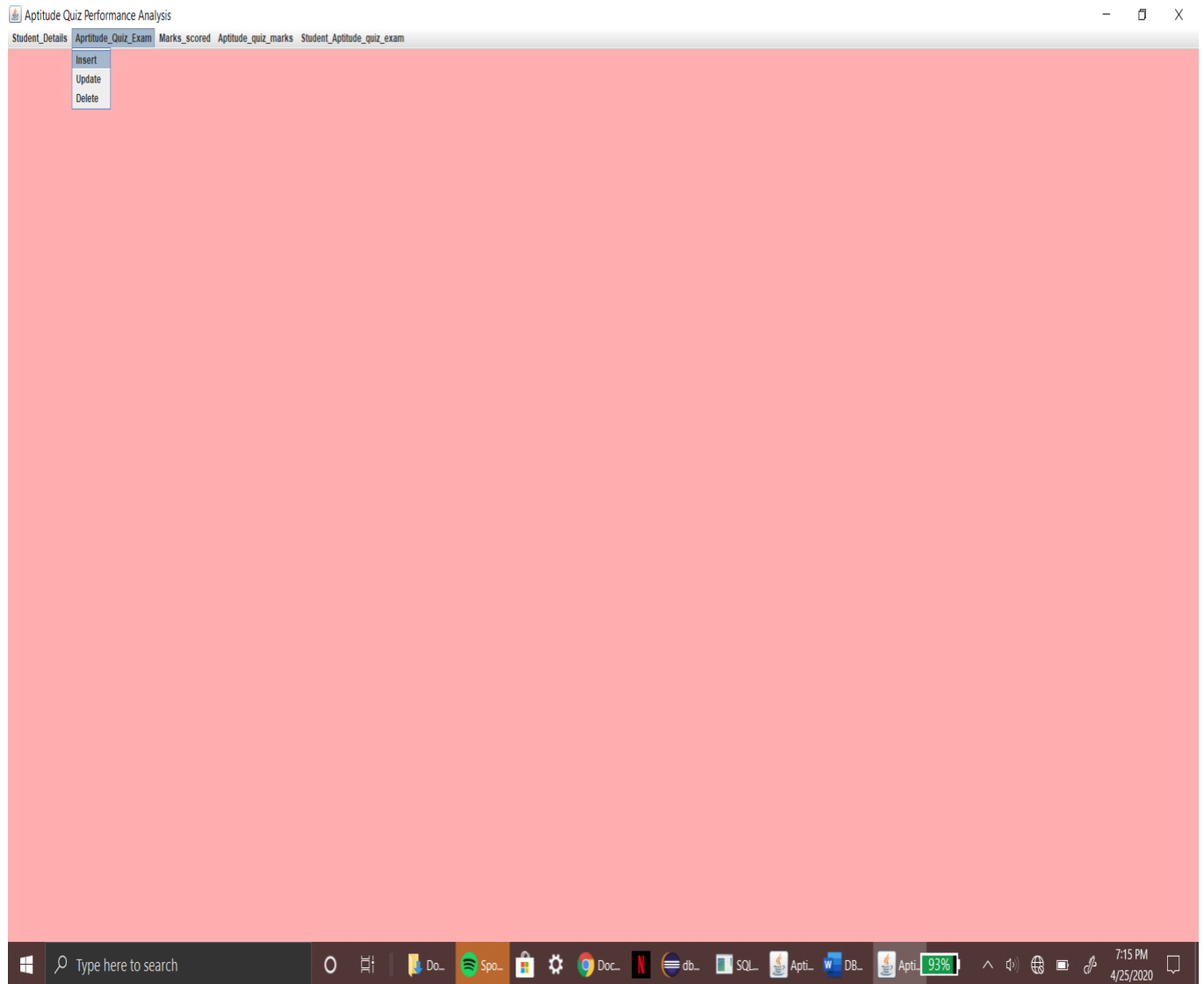
The program executes three basic operations those are insert update and delete on 5 different tables. Along with this, it also has an output column which gives information about how many rows have been edited. Errors syntactical or exceptional will be shown if occurred.

HOME PAGE:

1)The home page represents the various options about the quiz and the details of students.



2)The second step checks the attributes present in the Aptitude_quiz_exam table and allows to select an option and glance the details of it.



INSERT QUIZ DETAILS:

3)The insert table allows us to insert a new hall-ticket into the table along with the duration and exam-center. If there are no errors the hall-ticket will be inserted successfully.

 Enter following details:

Duration of exam Hall-ticket Exam-center

Inserted 1 rows successfully

 SQL Plus

With the Partitioning, OLAP, Data Mining and Real Application Testing options

```
SQL> select * from aptitude_quiz_exam;
```

DURATION	HALLTICKET	EXAM_CENTER
4	66	canada
3	061	USA
3	071	narsingi
3	88	mehdipatnam
3	98	miyapur
3	110	jubilee hills

6 rows selected.

```
SQL> select * from aptitude_quiz_exam;
```

DURATION	HALLTICKET	EXAM_CENTER
4	66	canada
3	061	USA
3	071	narsingi
3	88	mehdipatnam
3	98	miyapur
3	110	jubilee hills
4	121	Kondapur

7 rows selected.

```
SQL> _
```

UPDATE QUIZ DETAILS:

4) This step allows to update the table of the existing details; we should select the hall-ticket and then need to update the details.

 Enter following details:

Duration of exam	4
Hall-ticket	121
Exam-center	Tarnaka

Updated 1 rows successfully

061
071
110
121
66
88
98

```
SQL> select * from aptitude_quiz_exam;
```

DURATION	HALLTICKET	EXAM_CENTER
4	66	canada
4	121	Tarnaka
3	061	USA
3	071	narsingi
3	88	mehdipatnam
3	98	miyapur
3	110	jubilee hills

```
7 rows selected.
```

```
SQL>
```

DELETE QUIZ DETAILS:

5) This step allows us to delete the row which is existing and then select the row and press delete then it automatically deletes the selected hall-ticket from the table.

 Enter following details:

Duration of exam	4	<div>Delete</div>
Hall-ticket	121	
Exam-center	Tamaka	

deleted 1rows successfully

061
071
110
121
66
88
98

```
QL> select * from aptitude_quiz_exam;
```

DURATION	HALLTICKET	EXAM_CENTER
4	66	canada
4	121	Tarnaka
3	061	USA
3	071	narsingi
3	88	mehdipatnam
3	98	miyapur
3	110	jubliee hills

```
rows selected.
```

```
QL>
```


DIALOG BOX:

6) This step pops a dialog box when we enter the duration in text as the datatype assigned to duration is number so we should enter only a number.

 Enter following details:


Duration of exam Hall-ticket Exam-center

Inserted 0 rows successfully

Message ×
 Duration should be an Integer

EXCEPTIONS:

7) This step gives a sql message when there is an error when the size of the attribute is exceeded.

 Enter following details:

Duration of exam	<input type="text" value="6"/>	Hall-ticket	<input type="text" value="912345666999999"/>	Exam-center	<input type="text" value="KARIMNAGAR"/>	<input type="button" value="submit"/>
------------------	--------------------------------	-------------	--	-------------	---	---------------------------------------

SQLException:ORA-12899: value too large for column "PROJECT"."APTITUDE_QUIZ_EXAM"."HALLTICKET" (actual: 24, maximum: 10)
SQLState: 72000
VendorError: 12899
Inserted 0 rows successfully

OUTPUTS OF REMAINING TABLES:

STUDENT_DETAILS TABLE:

 Enter following details:

Name of the student Mail-id Class

Inserted 1rows successfully

SQL Plus

With the Partitioning, OLAP, Data Mining and Real Application Testing options

SQL> select * from student_details;

NAME	MAIL_ID	CLASS
dabba	dabba@gmail.com	btech 4th year
abhi	abhii123@gmail.com	btech 2nd year
ajay	ajayband@yahoo.com	btech 4th year
badrinath	badril143@gmail.com	btech 2nd year
ram	ramnath@gmail.com	btech2nd year
vaishnavi	vaish04@gmail.com	btech 2nd year

6 rows selected.

SQL> select * from student_details;

NAME	MAIL_ID	CLASS
kapoor	kapoor123@gmail.com	btech 2nd year
dabba	dabba@gmail.com	btech 4th year
abhi	abhii123@gmail.com	btech 2nd year
ajay	ajayband@yahoo.com	btech 4th year
badrinath	badril143@gmail.com	btech 2nd year
ram	ramnath@gmail.com	btech2nd year
vaishnavi	vaish04@gmail.com	btech 2nd year

7 rows selected.

SQL> _

 Update following details:

Mail id	<input type="text" value="kapoor123@gmail.com"/>	<input type="button" value="submit"/>
Name of the student	<input type="text" value="kapoor"/>	
Class	<input type="text" value="blech 3rd year"/>	

Updated 1rows successfully

- abhi123@gmail.com
- ajaybano@yahoo.com
- badri143@gmail.com
- dabbas@gmail.com
- kapoor123@gmail.com**
- ramnath@gmail.com
- vaishu4@gmail.com

SQL Plus

With the Partitioning, OLAP, Data Mining and Real Application Testing options

SQL> select * from student_details;

NAME	MAIL_ID	CLASS
dabba	dabba@gmail.com	btech 4th year
abhi	abhi123@gmail.com	btech 2nd year
ajay	ajayband@yahoo.com	btech 4th year
badrinath	badri143@gmail.com	btech 2nd year
ram	ramnath@gmail.com	btech2nd year
vaishnavi	vaish04@gmail.com	btech 2nd year

6 rows selected.

SQL> select * from student_details;

NAME	MAIL_ID	CLASS
kapoor	kapoor123@gmail.com	btech 2nd year
dabba	dabba@gmail.com	btech 4th year
abhi	abhi123@gmail.com	btech 2nd year
ajay	ajayband@yahoo.com	btech 4th year
badrinath	badri143@gmail.com	btech 2nd year
ram	ramnath@gmail.com	btech2nd year
vaishnavi	vaish04@gmail.com	btech 2nd year

7 rows selected.

SQL> select * from student_details;

NAME	MAIL_ID	CLASS
kapoor	kapoor123@gmail.com	btech 3rd year
dabba	dabba@gmail.com	btech 4th year
abhi	abhi123@gmail.com	btech 2nd year
ajay	ajayband@yahoo.com	btech 4th year
badrinath	badri143@gmail.com	btech 2nd year
ram	ramnath@gmail.com	btech2nd year
vaishnavi	vaish04@gmail.com	btech 2nd year

7 rows selected.

SQL>

 Enter following details:

abhi123@gmail.com
ajayband@yahoo.com
badri143@gmail.com
dabba@gmail.com
kapoor123@gmail.com
ramnath@gmail.com
vaish04@gmail.com

Name of the student

kapoor

Mail-id

kapoor123@gmail.com

Class

blech 3rd year

Delete

Deleted 1rows successtfully

```

SQL Plus
-----
dabba          dabba@gmail.com      btech 4th year
abhi           abhi123@gmail.com    btech 2nd year
ajay           ajayband@yahoo.com   btech 4th year
badrinath      badri143@gmail.com   btech 2nd year
ram            ramnath@gmail.com     btech2nd year
vaishnavi      vaish04@gmail.com     btech 2nd year

6 rows selected.

SQL> select * from student_details;

NAME          MAIL_ID              CLASS
-----
kapoor         kapoor123@gmail.com  btech 2nd year
dabba          dabba@gmail.com      btech 4th year
abhi           abhi123@gmail.com    btech 2nd year
ajay           ajayband@yahoo.com   btech 4th year
badrinath      badri143@gmail.com   btech 2nd year
ram            ramnath@gmail.com     btech2nd year
vaishnavi      vaish04@gmail.com     btech 2nd year

7 rows selected.

SQL> select * from student_details;

NAME          MAIL_ID              CLASS
-----
kapoor         kapoor123@gmail.com  btech 3rd year
dabba          dabba@gmail.com      btech 4th year
abhi           abhi123@gmail.com    btech 2nd year
ajay           ajayband@yahoo.com   btech 4th year
badrinath      badri143@gmail.com   btech 2nd year
ram            ramnath@gmail.com     btech2nd year
vaishnavi      vaish04@gmail.com     btech 2nd year

7 rows selected.

SQL> select * from student_details;

NAME          MAIL_ID              CLASS
-----
dabba          dabba@gmail.com      btech 4th year
abhi           abhi123@gmail.com    btech 2nd year
ajay           ajayband@yahoo.com   btech 4th year
badrinath      badri143@gmail.com   btech 2nd year
ram            ramnath@gmail.com     btech2nd year
vaishnavi      vaish04@gmail.com     btech 2nd year

6 rows selected.

SQL>

```

MARKS_SCORED TABLE:

Enter following details:

Logical Reasoning marks

10

Virtual Ability marks

10

Quantitative Aptitude marks

10

Sheet id

120

Result Sheet

fail

submit

Inserted rows successfully

SQL Plus

145

189 3 2 4 fail

210 24 25 23 pass

6 rows selected.

SQL> select * from marks_scored;

LOGICAL_REASONING VERBAL_ABILITY QUANTITATIVE_APTITUDE RESULT

SHEET_ID

61 100 100 100 pass

123 22 21 20 pass

134 9 11 1 fail

LOGICAL_REASONING VERBAL_ABILITY QUANTITATIVE_APTITUDE RESULT

SHEET_ID

145 19 16 14 pass

189 3 2 4 fail

210 24 25 23 pass

LOGICAL_REASONING VERBAL_ABILITY QUANTITATIVE_APTITUDE RESULT

SHEET_ID

120 10 10 10 fail

7 rows selected.

SQL>

Enter following details:

submit

Logical Reasoning marks

10

Virtual Ability marks

100

Quantitative Aptitude marks

10

Result Sheet

fail

Sheet id

120

Updated rows successfully

120
123
134
145
189
210
61

LOGICAL_REASONING	VERBAL_ABILITY	QUANTITATIVE_APTITUDE	RESULT
-------------------	----------------	-----------------------	--------

SHEET_ID

120	10	10	10 fail
-----	----	----	---------

7 rows selected.

SQL> select * from marks_scored;

LOGICAL_REASONING	VERBAL_ABILITY	QUANTITATIVE_APTITUDE	RESULT
-------------------	----------------	-----------------------	--------

SHEET_ID

61	100	100	100 pass
----	-----	-----	----------

123	22	21	20 pass
-----	----	----	---------

134	9	11	1 fail
-----	---	----	--------

LOGICAL_REASONING	VERBAL_ABILITY	QUANTITATIVE_APTITUDE	RESULT
-------------------	----------------	-----------------------	--------

SHEET_ID

145	19	16	14 pass
-----	----	----	---------

189	3	2	4 fail
-----	---	---	--------

210	24	25	23 pass
-----	----	----	---------

LOGICAL_REASONING	VERBAL_ABILITY	QUANTITATIVE_APTITUDE	RESULT
-------------------	----------------	-----------------------	--------

SHEET_ID

120	10	100	10 fail
-----	----	-----	---------

7 rows selected.

SQL> █

 Enter following details:

Logical Reasoning marks	<input type="text" value="10"/>	Virtual Ability marks	<input type="text" value="100"/>	<input type="button" value="delete"/>
Quantitative Aptitude marks	<input type="text" value="10"/>	Result Sheet	<input type="text" value="fail"/>	
Sheet id	<input type="text" value="120"/>			

Deleted 1 rows successfully

- 120
- 123
- 134
- 145
- 189
- 210
- 61

```

SQL Plus
145
      3      2      4 fail
189
      24     25     23 pass
210

LOGICAL_REASONING VERBAL_ABILITY QUANTITATIVE_APTITUDE RESULT
-----
SHEET_ID
-----
      10     100     10 fail
120

7 rows selected.

SQL> select * from marks_scored;

LOGICAL_REASONING VERBAL_ABILITY QUANTITATIVE_APTITUDE RESULT
-----
SHEET_ID
-----
      100     100     100 pass
61
      22     21     20 pass
123
      9      11     1 fail
134

LOGICAL_REASONING VERBAL_ABILITY QUANTITATIVE_APTITUDE RESULT
-----
SHEET_ID
-----
      19     16     14 pass
145
      3      2      4 fail
189
      24     25     23 pass
210

6 rows selected.

SQL>

```

APTITUDE_QUIZ_MARKS TABLE:

 Enter following details:

Rank of the student

1

Hall-Ticket

56

Sheet-id

123

submit

Inserted Rows successfully
Inserted Rows successfully
Inserted Rows successfully

```
SQL Plus
SQL> select * from aptitude_quiz_marks;

RANK HALLTICKET SHEET_ID
-----
90 66 210
17 88 145
97536 98 189
432 110 210

SQL> select * from aptitude_quiz_exam;

DURATION HALLTICKET EXAM_CENTER
-----
4 66 canada
3 061 USA
3 071 narsingi
3 88 mehdipatnam
3 98 miyapur
3 110 jubilee hills
4 121 Kondapur

7 rows selected.

SQL> select * from aptitude_quiz_marks;

RANK HALLTICKET SHEET_ID
-----
90 66 210
1 66 123
17 88 145
97536 98 189
432 110 210

SQL> 
```

Enter following details:

Rank of the student

2

Hall-Ticket

66

Sheet-id

123

Updated rows successfully

210

123

145

189

210

66

66

88

98

110

submit

SQL Plus

SQL> select * from aptitude_quiz_marks;

RANK	HALLTICKET	SHEET_ID
90	66	210
17	88	145
97536	98	189
432	110	210

SQL> select * from aptitude_quiz_exam;

DURATION	HALLTICKET	EXAM_CENTER
4	66	canada
3	061	USA
3	071	narsingi
3	88	mehdipatnam
3	98	miyapur
3	110	jubilee hills
4	121	Kondapur

7 rows selected.

SQL> select * from aptitude_quiz_marks;

RANK	HALLTICKET	SHEET_ID
90	66	210
1	66	123
17	88	145
97536	98	189
432	110	210

SQL> select * from aptitude_quiz_marks;

RANK	HALLTICKET	SHEET_ID
90	66	210
2	66	123
17	88	145
97536	98	189
432	110	210

SQL>


```
SQL Plus

SQL> select * from aptitude_quiz_exam;

DURATION HALLTICKET      EXAM_CENTER
-----
4 66      canada
3 061     USA
3 071     narsingi
3 88      mehdipatnam
3 98      miyapur
3 110     jubilee hills
4 121     Kondapur

7 rows selected.

SQL> select * from aptitude_quiz_marks;

RANK HALLTICKET      SHEET_ID
-----
90 66      210
1 66      123
17 88      145
97536 98    189
432 110    210

SQL> select * from aptitude_quiz_marks;

RANK HALLTICKET      SHEET_ID
-----
90 66      210
2 66      123
17 88      145
97536 98    189
432 110    210

SQL> select * from aptitude_quiz_marks;

RANK HALLTICKET      SHEET_ID
-----
90 66      210
17 88      145
97536 98    189
432 110    210

SQL> _
```

STUDENT_APTITUDE_QUIZ_EXAM TABLE:

 Enter following details:

Mali-id

dabba@gmail.com

Hall-ticket

121

Exam-date

10-FEB-2020

submit

Inserted 1 rows successfully

SQL Plus

SQL> select * from student_apititude_quiz_exam;

MAIL_ID	HALLTICKET	EXAM_DATE
abhi123@gmail.com	061	03-FEB-2020
badri143@gmail.com	88	03-FEB-2020
ajayband@yahoo.com	071	03-FEB-2020
ramnath@gmail.com	98	27-FEB-2020
vaish04@gmail.com	110	03-FEB-2020

10 rows selected.

SQL> select * from student_apititude_quiz_exam;

MAIL_ID	HALLTICKET	EXAM_DATE
abhi123@gmail.com	061	03-FEB-2020
badri143@gmail.com	88	03-FEB-2020
ajayband@yahoo.com	071	03-FEB-2020
ramnath@gmail.com	98	27-FEB-2020
vaish04@gmail.com	110	03-FEB-2020
dabba@gmail.com	121	10-FEB-2020

11 rows selected.

SQL>

 Enter following details:

Mali-id

dabba@gmail.com

submit

Hall-ticket

121

Exam-date

10-MARCH-2020

Updated 1rows successfully

abhi123@gmail.com
badri143@gmail.com
ajayband@yahoo.com
ramnath@gmail.com
vaish04@gmail.com
da5baga@gmail.com

061
88
071
98
110
121

```

SQL Plus
SQL> select * from student_aptitude_quiz_exam;

MAIL_ID          HALLTICKET      EXAM_DATE
-----
abhi123@gmail.com 061             03-FEB-2020
badri143@gmail.com 88              03-FEB-2020
ajayband@yahoo.com 071             03-FEB-2020
ramnath@gmail.com 98              27-FEB-2020
vaish04@gmail.com 110             03-FEB-2020
dabba@gmail.com 121             10-FEB-2020

11 rows selected.

SQL> select * from student_aptitude_quiz_exam;

MAIL_ID          HALLTICKET      EXAM_DATE
-----
abhi123@gmail.com 061             03-FEB-2020
badri143@gmail.com 88              03-FEB-2020
ajayband@yahoo.com 071             03-FEB-2020
ramnath@gmail.com 98              27-FEB-2020
vaish04@gmail.com 110             03-FEB-2020
dabba@gmail.com 121             10-MARCH-2020

11 rows selected.

SQL>

```

Enter following details:

Mail-id: dabba@gmail.com

Hall-ticket: 121

Exam-date: 10-MARCH-2020

deleted 1 rows successfully

abhi123@gmail.com
badri143@gmail.com
ajayband@yahoo.com
ramnath@gmail.com
vaish04@gmail.com
dabba@gmail.com

061
88
071
98
110
121

```
SQL Plus
SQL> select * from student_apititude_quiz_exam;

MAIL_ID          HALLTICKET      EXAM_DATE
-----
abhi123@gmail.com 061             03-FEB-2020
badi143@gmail.com 88              03-FEB-2020
ajayband@yahoo.com 071             03-FEB-2020
ramnath@gmail.com 98              27-FEB-2020
vaish04@gmail.com 110             03-FEB-2020
dabba@gmail.com 121             10-MARCH-2020

11 rows selected.

SQL> select * from student_apititude_quiz_exam;

MAIL_ID          HALLTICKET      EXAM_DATE
-----
abhi123@gmail.com 061             03-FEB-2020
badi143@gmail.com 88              03-FEB-2020
ajayband@yahoo.com 071             03-FEB-2020
ramnath@gmail.com 98              27-FEB-2020
vaish04@gmail.com 110             03-FEB-2020

10 rows selected.

SQL> 
```

REFERENCES:

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