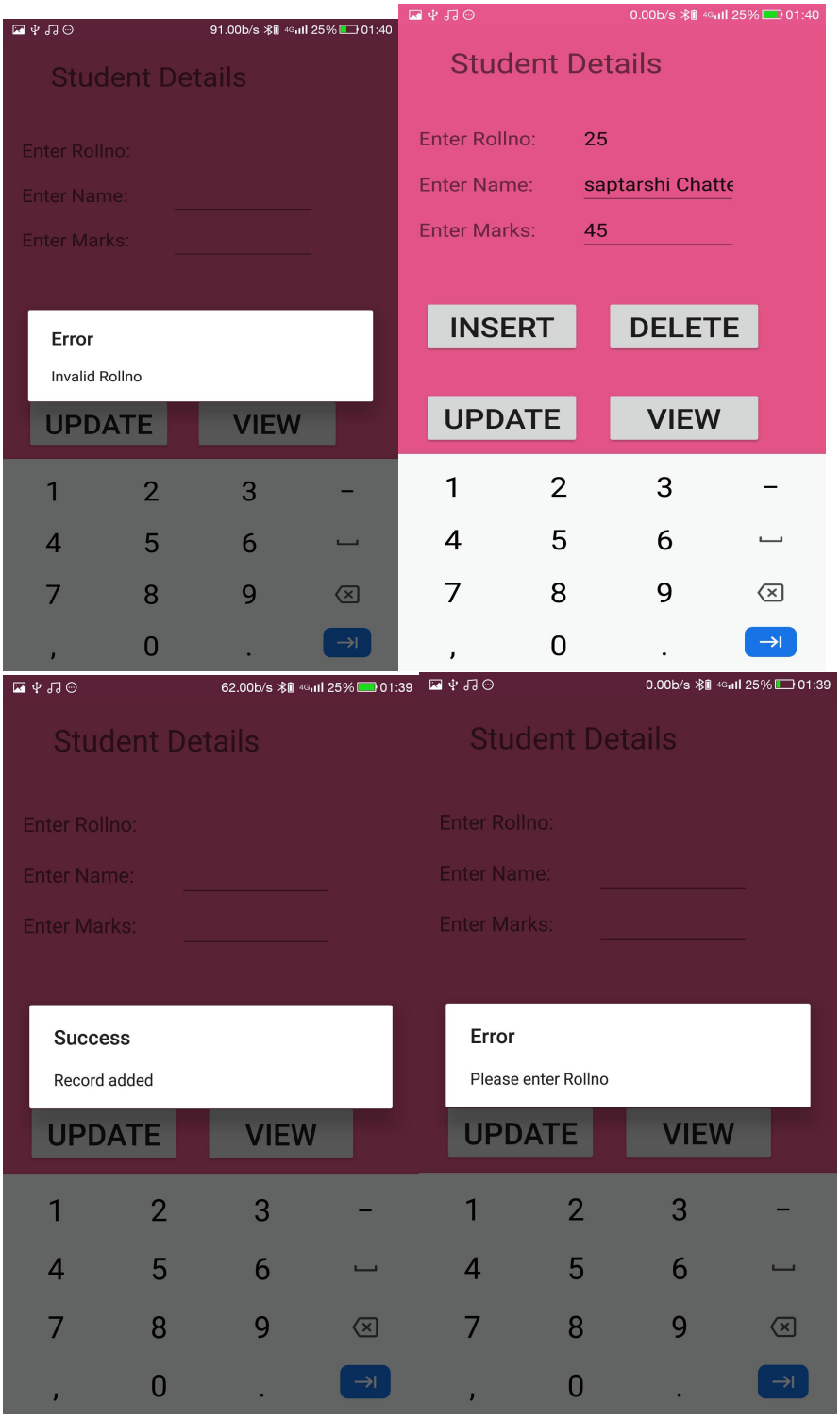
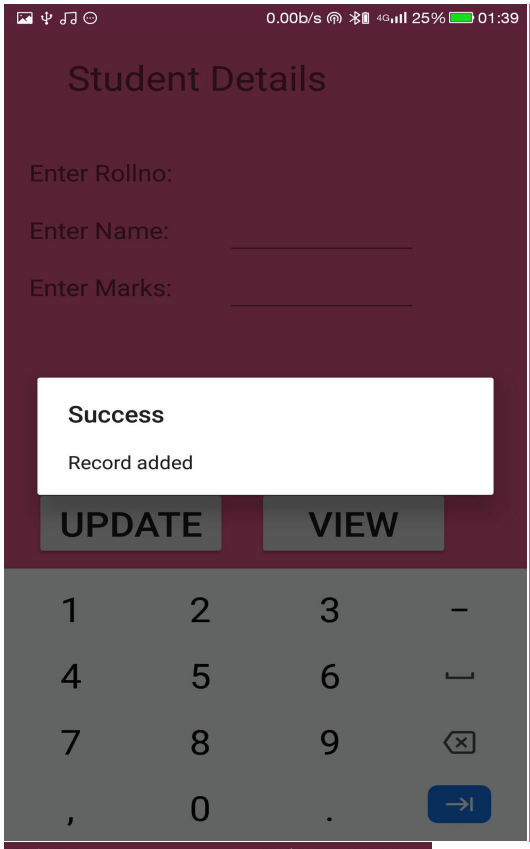
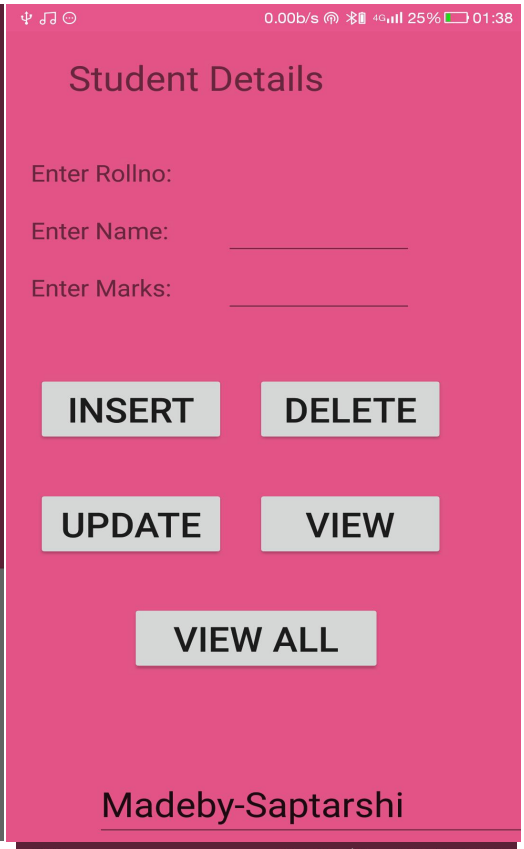
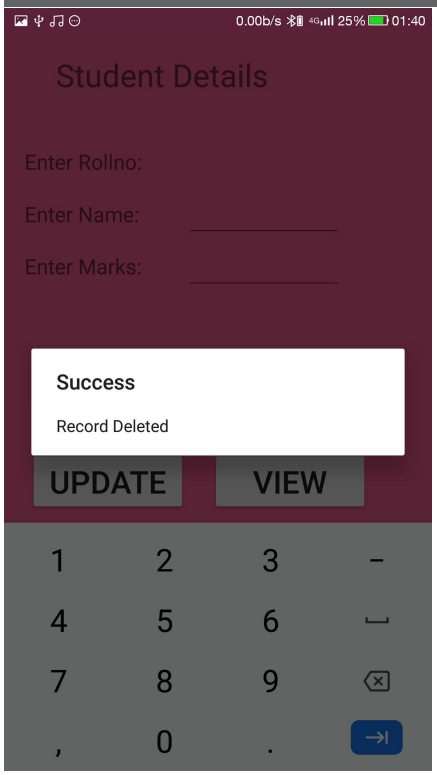
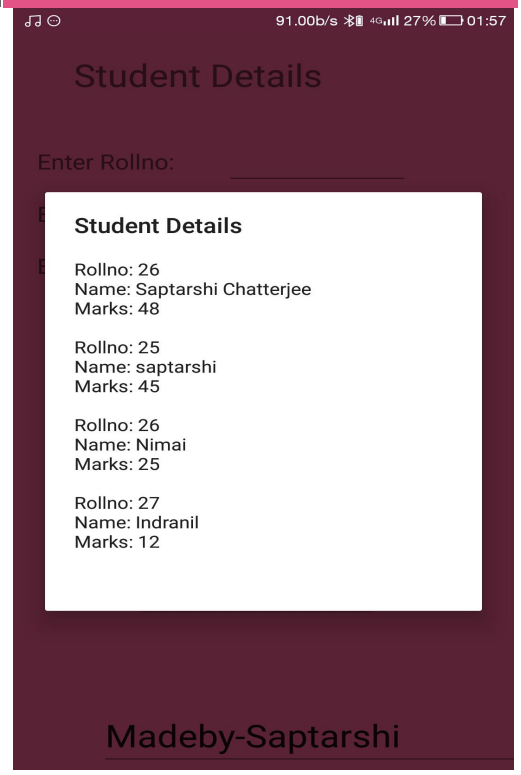
Q1.Make a student registration and Update,delete,veiw data after registration and data fill up?




0.00b/s 25% 01:39
Student Details
Enter Rollno:
Enter Name:
Enter Marks:
Success
Record added
UPDATE
VIEW


0.00b/s 25% 01:38
Student Details
Enter Rollno:
Enter Name:
Enter Marks:
INSERT
DELETE
UPDATE
VIEW
VIEW ALL
Madeby-Saptarshi


0.00b/s 25% 01:40
Student Details
Enter Rollno:
Enter Name:
Enter Marks:
Success
Record Deleted
UPDATE
VIEW


91.00b/s 27% 01:57
Student Details
Enter Rollno:
Student Details
Rollno: 26
Name: Saptarshi Chatterjee
Marks: 48
Rollno: 25
Name: saptarshi
Marks: 45
Rollno: 26
Name: Nimai
Marks: 25
Rollno: 27
Name: Indranil
Marks: 12
Madeby-Saptarshi

XML part-(one logo not running sir on my phone)

```
<?xml version="1.0" encoding="utf-8"?>
<AbsoluteLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/colorAccent">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_x="50dp"
        android:layout_y="20dp"
        android:text="Student Details"
        android:textSize="30sp" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_x="20dp"
        android:layout_y="110dp"
        android:text="Enter Rollno:"
        android:textSize="20sp" />

    <EditText
        android:id="@+id/Rollno"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:layout_x="175dp"
        android:layout_y="100dp"
        android:inputType="number"
        android:textSize="20sp" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_x="20dp"
        android:layout_y="160dp"
        android:text="Enter Name:"
        android:textSize="20sp" />

    <EditText
        android:id="@+id/Name"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:layout_x="175dp"
        android:layout_y="150dp"
        android:inputType="text"
        android:textSize="20sp" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_x="20dp"
        android:layout_y="210dp"
        android:text="Enter Marks:"
        android:textSize="20sp" />

    <EditText
        android:id="@+id/Marks"
        android:layout_width="150dp"
```

```
    android:layout_height="wrap_content"
    android:layout_x="175dp"
    android:layout_y="200dp"
    android:inputType="number"
    android:textSize="20sp" />

<Button
    android:id="@+id/Insert"
    android:layout_width="150dp"
    android:layout_height="wrap_content"
    android:layout_x="25dp"
    android:layout_y="300dp"
    android:text="Insert"
    android:textSize="30dp" />

<Button
    android:id="@+id/Delete"
    android:layout_width="150dp"
    android:layout_height="wrap_content"
    android:layout_x="200dp"
    android:layout_y="300dp"
    android:text="Delete"
    android:textSize="30dp" />

<Button
    android:id="@+id/Update"
    android:layout_width="150dp"
    android:layout_height="wrap_content"
    android:layout_x="25dp"
    android:layout_y="400dp"
    android:text="Update"
    android:textSize="30dp" />

<Button
    android:id="@+id/View"
    android:layout_width="150dp"
    android:layout_height="wrap_content"
    android:layout_x="200dp"
    android:layout_y="400dp"
    android:text="View"
    android:textSize="30dp" />

<Button
    android:id="@+id/ViewAll"
    android:layout_width="200dp"
    android:layout_height="wrap_content"
    android:layout_x="100dp"
    android:layout_y="500dp"
    android:text="View All"
    android:textSize="30dp" />

<ImageView
    android:id="@+id/imageView"
    android:layout_width="67dp"
    android:layout_height="76dp"
    android:layout_x="156dp"
    android:layout_y="575dp"
    app:srcCompat="@android:drawable/checkbox_on_background" />

<EditText
    android:id="@+id/editText"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_x="72dp"
    android:layout_y="644dp"
    android:ems="10"
    android:inputType="textPersonName"
    android:text="Madeby-Saptarshi"
```

```
        android:textSize="30sp" />

</AbsoluteLayout>
```

Java Part-

```
package com.example.exno5;

import android.annotation.SuppressLint;
import android.app.Activity;
import android.app.AlertDialog.Builder;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity extends Activity implements OnClickListener
{
EditText Rollno,Name,Marks;
Button Insert,Delete,Update,View,ViewAll;
SQLiteDatabase db;

        @Override
public void onCreate(Bundle savedInstanceState)
{
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);

Rollno=(EditText)findViewById(R.id.Rollno);
Name=(EditText)findViewById(R.id.Name);
Marks=(EditText)findViewById(R.id.Marks);
Insert=(Button)findViewById(R.id.Insert);
Delete=(Button)findViewById(R.id.Delete);
Update=(Button)findViewById(R.id.Update);
View=(Button)findViewById(R.id.View);
ViewAll=(Button)findViewById(R.id.ViewAll);

Insert.setOnClickListener(this);
Delete.setOnClickListener(this);
Update.setOnClickListener(this);
View.setOnClickListener(this);
ViewAll.setOnClickListener(this);

db=openOrCreateDatabase("StudentDB", Context.MODE_PRIVATE, null);
db.execSQL("CREATE TABLE IF NOT EXISTS student(rollno VARCHAR,name VARCHAR,marks
VARCHAR);");
}
public void onClick(View view)
{

if(view==Insert)
{

if(Rollno.getText().toString().trim().length()==0||
Name.getText().toString().trim().length()==0||
```

```
Marks.getText().toString().trim().length()==0)
{
showMessage("Error", "Please enter all values");
return;
}
db.execSQL("INSERT INTO student
VALUES('"+Rollno.getText()+"','"+Name.getText()+
             "','"+Marks.getText()+"');");
showMessage("Success", "Record added");
clearText();
}

if(view==Delete)
{

if(Rollno.getText().toString().trim().length()==0)
    {
showMessage("Error", "Please enter Rollno");
return;
}

    try (Cursor c = db.rawQuery("SELECT * FROM student WHERE rollno='" +
Rollno.getText() + "'", null)) {
        if (c.moveToFirst()) {
            db.execSQL("DELETE FROM student WHERE rollno='" + Rollno.getText() +
"'");
            showMessage("Success", "Record Deleted");
        } else {
            showMessage("Error", "Invalid Rollno");
        }
    }
clearText();
}

if(view==Update)
{

if(Rollno.getText().toString().trim().length()==0)
{
showMessage("Error", "Please enter Rollno");
return;
}
Cursor c;
    c = db.rawQuery("SELECT * FROM student WHERE rollno='"+Rollno.getText()+"'",
null);
    if(c.moveToFirst()) {
db.execSQL("UPDATE student SET name='" + Name.getText() + "',marks='" +
Marks.getText() + "' WHERE rollno='"+Rollno.getText()+"'");
showMessage("Success", "Record Modified");
}
else {
showMessage("Error", "Invalid Rollno");
}
clearText();
}

if(view==View)
{

if(Rollno.getText().toString().trim().length()==0)
{
showMessage("Error", "Please enter Rollno");
return;
}
Cursor c=db.rawQuery("SELECT * FROM student WHERE rollno='"+Rollno.getText()+"'",
null);
if(c.moveToFirst())
{
```

```
Name.setText(c.getString(1));
Marks.setText(c.getString(2));
}
else{
showMessage("Error", "Invalid Rollno");
clearText();
}
}

if(view==ViewAll)
{
@SuppressLint("Recycle") Cursor c=db.rawQuery("SELECT * FROM student", null);
if(c.getCount()==0)
{
showMessage("Error", "No records found");
return;
}
StringBuilder buffer=new StringBuilder();
while(c.moveToNext())
{
buffer.append("Rollno: ").append(c.getString(0)).append("\n");
buffer.append("Name: ").append(c.getString(1)).append("\n");
buffer.append("Marks: ").append(c.getString(2)).append("\n\n");
}
showMessage("Student Details", buffer.toString());
}
}
public void showMessage(String title,String message)
{
Builder builder=new Builder(this);
builder.setCancelable(true);
builder.setTitle(title);
builder.setMessage(message);
builder.show();
}
public void clearText()
{
Rollno.setText("");
Name.setText("");
Marks.setText("");
Rollno.requestFocus();
}
}
```

Q2.Splash Screen

So Sir I am working for a project so made that apps splash screen ok..

Ans:

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/img2"
    tools:context=".SplashScreen"
    >

    <ImageView
        android:id="@+id/logo"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_centerInParent="true"
        android:src="@mipmap/ic_launcher_foreground" />

</FrameLayout>
```

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"


    android:id="@+id/BACK"

    android:layout_width="400sp"
    android:layout_height="400sp"
    android:layout_gravity="center"
    android:background="@drawable/logo"


    tools:context=".MainActivity" />
```

Manifest:

```
package com.example.splashscreen;

import androidx.annotation.RequiresApi;
import androidx.appcompat.app.AppCompatActivity;

import android.app.AlertDialog;
import android.content.Context;
import android.content.DialogInterface;
import android.media.MediaPlayer;
import android.net.ConnectivityManager;
import android.net.NetworkInfo;
import android.os.Build;
```

```
import android.os.Bundle;
import android.speech.tts.TextToSpeech;

import java.util.Locale;

public class MainActivity extends AppCompatActivity {



    TextToSpeech textToSpeech;
    private boolean amp;

    @RequiresApi(api = Build.VERSION_CODES.LOLLIPOP)
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        public boolean isConnected(Context Context context = null;
        context) {

            ConnectivityManager cm = (ConnectivityManager)
context.getSystemService(Context.CONNECTIVITY_SERVICE);
            NetworkInfo netinfo = cm.getActiveNetworkInfo();

            if (netinfo != null &amp;&amp; netinfo.isConnectedOrConnecting()) {
                android.net.NetworkInfo wifi =
cm.getNetworkInfo(ConnectivityManager.TYPE_WIFI);
                android.net.NetworkInfo mobile =
cm.getNetworkInfo(ConnectivityManager.TYPE_MOBILE);

                if((mobile != null &amp;&amp; mobile.isConnectedOrConnecting()) ||
(wifi != null &amp;&amp; wifi.isConnectedOrConnecting())) return true;
        else return false;
            } else
            return false;
        }
        public AlertDialog.Builder buildDialog(Context Context c;
        c) {

            AlertDialog.Builder builder = new AlertDialog.Builder(c);
            builder.setTitle("No Internet Connection");
            builder.setMessage("You need to have Mobile Data or wifi to access this.
Press ok to Exit");

            builder.setPositiveButton("Ok", new DialogInterface.OnClickListener()
{

                @Override
                public void onClick(DialogInterface dialog, int which) {

                    finish();
                }
            });

            AlertDialog.Builder builder1 = builder;
            AlertDialog.Builder builder2 = builder1;
            AlertDialog.Builder builder21 = builder2;
            return builder21;
        }

        textToSpeech = new TextToSpeech(this, new TextToSpeech.OnInitListener()
{
            @Override
            public void onInit(int status) {
                if (status == TextToSpeech.ERROR) {
                    textToSpeech.setLanguage(Locale.ENGLISH);
```

```
            }
            textToSpeech.setSpeechRate(0.65f);
        }



    });
    if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.LOLLIPOP) {
        welcome();
    }

}
public void welcome()
{
    CharSequence speak="   Welcome to asha pay," ;
    CharSequence one="WE are here to assist you. Press 1 for Payment, Press
2 for a balance enquiry, Press 3 for Send Money.";
    CharSequence two="Press 4 for recharge wallet.,Press 5 for repeat
statement.,Press 6 to log out.,Press 7 to exit.";
    CharSequence thanks=  "Thank You";
    textToSpeech.speak(speak, TextToSpeech.QUEUE_FLUSH,null," ");
    textToSpeech.speak(one, TextToSpeech.QUEUE_FLUSH,null," ");
    textToSpeech.speak(two, TextToSpeech.QUEUE_FLUSH,null," ");
    textToSpeech.speak(thanks, TextToSpeech.QUEUE_FLUSH,null," ");
}




}
```

JAVA:

```
package com.example.splashscreen;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.Handler;


public class SplashScreen extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_splash_screen);

        new Handler().postDelayed(new Runnable() {
            @Override public void run() {
                Intent i = new Intent(SplashScreen.this, MainActivity.class);
                startActivity(i);
                finish(); } }, 3000);
    }

}
```