Q2] Construct a bank app to display different menu like withdraw, deposit etc.

```java
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.EditText;

import android.widget.TextView;


public class MainActivity extends AppCompatActivity {


    private double balance = 1000.0; // Initial balance


    private EditText amountEditText;

    private TextView balanceTextView;


    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);


        amountEditText = findViewById(R.id.amountEditText);

        balanceTextView = findViewById(R.id.balanceTextView);

        updateBalance(); // Update balance on UI

    }


    public void deposit(View view) {

        String amountStr = amountEditText.getText().toString();

        if (!amountStr.isEmpty()) {
```

```java
        double amount = Double.parseDouble(amountStr);

        balance += amount;

        updateBalance();

      }

    }


    public void withdraw(View view) {

      String amountStr = amountEditText.getText().toString();

      if (!amountStr.isEmpty()) {

        double amount = Double.parseDouble(amountStr);

        if (balance >= amount) {

          balance -= amount;

          updateBalance();

        }

      }

    }


    private void updateBalance() {

      balanceTextView.setText(String.format("Balance: $%.2f", balance));

    }
}
```

//xml file

```xml
<!-- activity_main.xml -->

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

  xmlns:tools="http://schemas.android.com/tools"

  android:layout_width="match_parent"
```

```xml
    android:layout_height="match_parent"

    tools:context=".MainActivity">


    <EditText

        android:id="@+id/amountEditText"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        android:layout_marginTop="16dp"

        android:hint="Enter Amount"

        android:inputType="numberDecimal" />


    <Button

        android:id="@+id/depositButton"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@id/amountEditText"

        android:layout_marginTop="16dp"

        android:layout_marginEnd="16dp"

        android:layout_alignParentEnd="true"

        android:text="Deposit"

        android:onClick="deposit" />


    <Button

        android:id="@+id/withdrawButton"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@id/depositButton"
```

```xml
        android:layout_marginTop="16dp"

        android:layout_marginEnd="16dp"

        android:layout_alignParentEnd="true"

        android:text="Withdraw"

        android:onClick="withdraw" />


    <TextView

        android:id="@+id/balanceTextView"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@id/withdrawButton"

        android:layout_marginTop="16dp"

        android:layout_centerHorizontal="true"

        android:text="Balance: $1000.00"

        android:textSize="18sp" />


</RelativeLayout>
```