Question 1

Xml

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

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

<item android:id="@+id/home"

android:title="home"/>

<item android:id="@+id/about"

android:title="about"/>

<item android:id="@+id/logout"

android:title="logout"/>

</menu>

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

<androidx.constraintlayout.widget.ConstraintLayout 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"

tools:context=".MainActivity">

<TextView

android:id="@+id/textView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="WELCOME"

android:textAppearance="@style/TextAppearance.AppCompat.Display1"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

JAVA Code:

package com.example.q1;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

}

public boolean onCreateOptionsMenu(Menu menu) {

getMenuInflater().inflate(R.menu.*menu*, menu);

return true;

}

@Override

public boolean onOptionsItemSelected(@NonNull MenuItem item) {

switch (item.getItemId()) {

case R.id.*home*:

Toast.*makeText*(getApplicationContext(), "Home clicked", Toast.*LENGTH\_SHORT*).show();

return true;

case R.id.*about*:

Toast.*makeText*(getApplicationContext(), "about clicked", Toast.*LENGTH\_SHORT*).show();

return true;

case R.id.*logout*:

Intent i=new Intent(MainActivity.this,MainActivity2.class);

startActivity(i);

return true;

default:

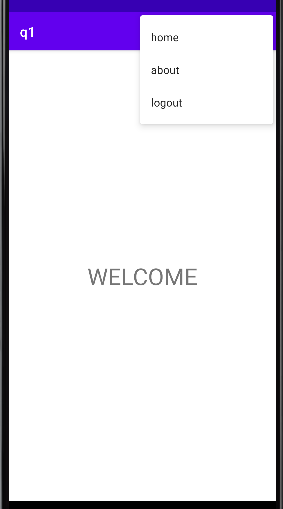
return super.onOptionsItemSelected(item);

}

}

}

OUTPUT



Q2

XML code:

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

<androidx.constraintlayout.widget.ConstraintLayout 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"

tools:context=".MainActivity">

<LinearLayout

android:layout\_width="361dp"

android:layout\_height="453dp"

android:orientation="vertical"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent">

<EditText

android:id="@+id/name"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="Name"

android:inputType="textPersonName" />

<EditText

android:id="@+id/DOB"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="DOB"

android:inputType="textPersonName" />

<EditText

android:id="@+id/email"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="email"

android:inputType="textPersonName" />

<Button

android:id="@+id/b1"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="INSERT" />

<Button

android:id="@+id/b2"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="UPDATE" />

</LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

Mainactivity.java

package com.example.q2;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

EditText e1,e2,e3;

Button b1,b2;

dbop db;

String name,dob,email;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

e1=findViewById(R.id.name);

e2=findViewById(R.id.DOB);

e3=findViewById(R.id.email);

b1=findViewById(R.id.b1);

b2=findViewById(R.id.b2);

db=new dbop(this);

b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

name=e1.getText().toString();

dob=e2.getText().toString();

email=e3.getText().toString();

boolean chk= db.insert(name,dob,email);

if(chk==true){

Toast.makeText(MainActivity.this, "inserted", Toast.LENGTH\_SHORT).show();

}

else

{

Toast.makeText(MainActivity.this, "Error", Toast.LENGTH\_SHORT).show();

}

}

});

b2.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

name=e1.getText().toString();

dob=e2.getText().toString();

email=e3.getText().toString();

boolean chk= db.update(name,dob,email);

if(chk==true){

Toast.makeText(MainActivity.this, "Updated", Toast.LENGTH\_SHORT).show();

}

else

{

Toast.makeText(MainActivity.this, "Error", Toast.LENGTH\_SHORT).show();

}

}

});

}

}

Dbop.java

package com.example.q2;

import android.content.ContentValues;

import android.content.Context;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.database.sqlite.SQLiteOpenHelper;

import androidx.annotation.Nullable;

public class dbop extends SQLiteOpenHelper {

public dbop(@Nullable Context context) {

super(context, "db", null, 1);

}

@Override

public void onCreate(SQLiteDatabase db) {

db.execSQL("create table user(name TEXT primary key,dob TEXT,email TEXT)");

}

@Override

public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {

db.execSQL("drop table user");

}

public boolean insert(String name,String dob,String email)

{

SQLiteDatabase db=getWritableDatabase();

ContentValues cv=new ContentValues();

cv.put("name",name);

cv.put("dob",dob);

cv.put("email",email);

long res=db.insert("user",null,cv);

if(res==-1)

{

return false;

}

else

{

return true;

}

}

public boolean update(String name,String dob,String email)

{

SQLiteDatabase db=getWritableDatabase();

ContentValues cv=new ContentValues();

cv.put("dob",dob);

cv.put("email",email);

long res=db.update("user",cv,"name=?",new String []{name});

if(res==-1)

{

return false;

}

else

{

return true;

}

}

}

OUTPUT

