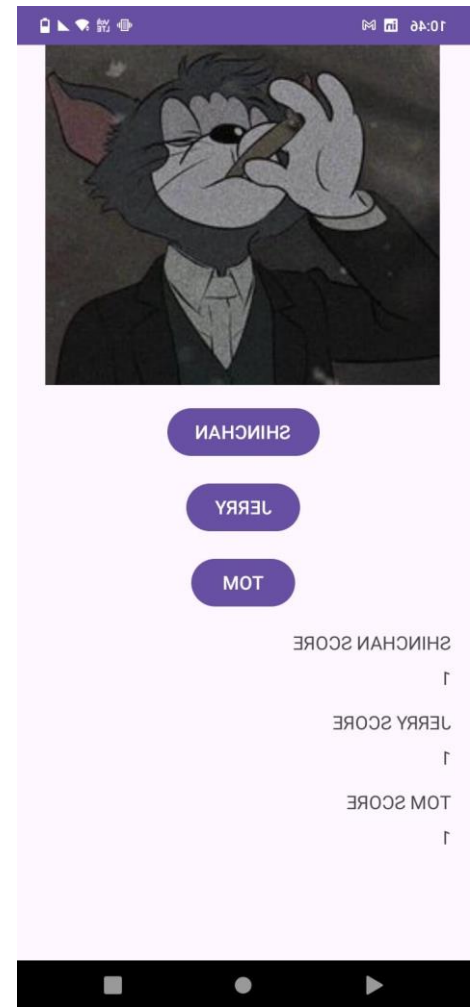
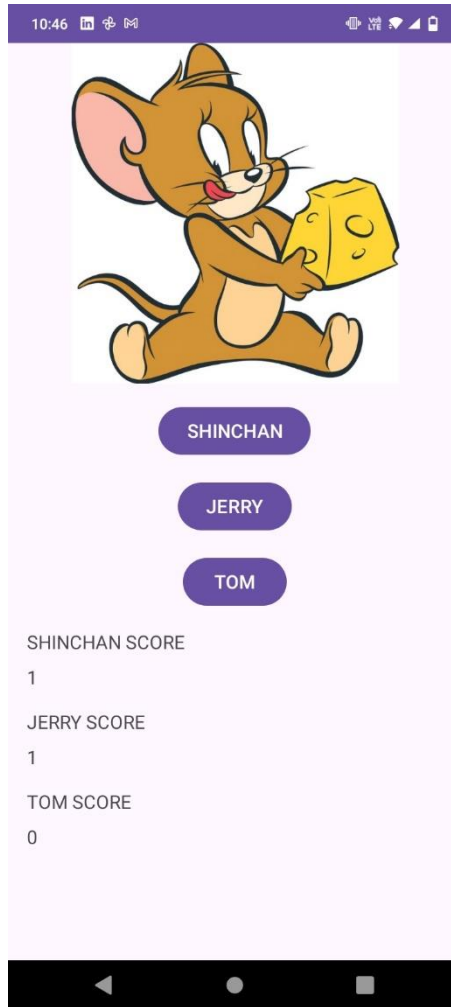
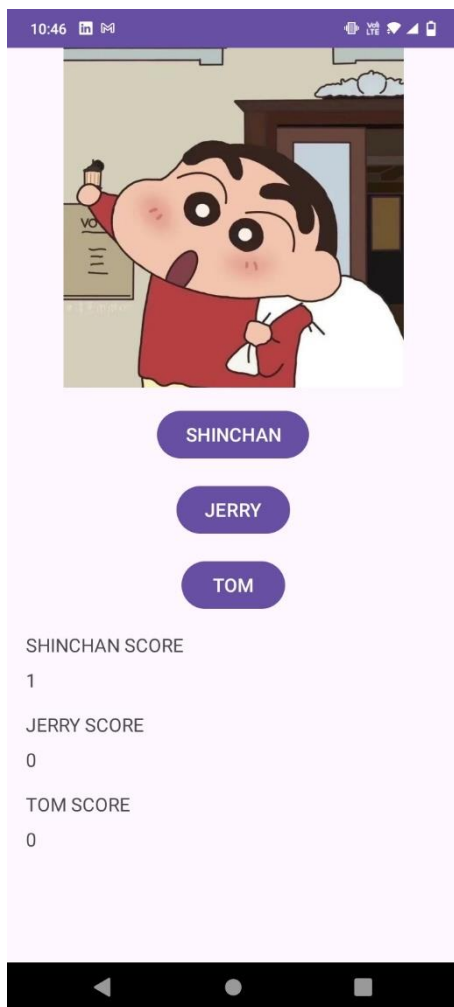


Output: -

Shinchan

Jerry

Tom





Assignment 11

Student Name- Shivam Gupta
Student Code- BWU/BCA/22/420
Student Signature-



```
Activity_register.java

package com.example.database;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class activity_register extends AppCompatActivity {

    private EditText etName, etEmail, etPassword;
    private Button btnRegister;
    private DatabaseHelper db;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_register);
        etName = findViewById(R.id.etName);
        etEmail = findViewById(R.id.etEmail);
        etPassword = findViewById(R.id.etPassword);
        btnRegister = findViewById(R.id.btnRegister);
        db = new DatabaseHelper(this);

        btnRegister.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
```



```
String name = etName.getText().toString();

String email = etEmail.getText().toString();

String password = etPassword.getText().toString();


if (name.isEmpty() || email.isEmpty() || password.isEmpty()) {

    Toast.makeText(activity_register.this, "Please fill all fields", Toast.LENGTH_SHORT).show();

} else {

    boolean isInserted = db.insertUser(name, email, password);

    if (isInserted) {

        Toast.makeText(activity_register.this, "Registration Successful", Toast.LENGTH_SHORT).show();

        startActivity(new Intent(activity_register.this, LoginActivity.class));

    } else {

        Toast.makeText(activity_register.this, "Registration Failed", Toast.LENGTH_SHORT).show();

    }

}

}

});

}
```

DatabaseHelper.java

```
package com.example.database;


import android.content.ContentValues;

import android.content.Context;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.database.sqlite.SQLiteOpenHelper;
```



```
public class DatabaseHelper extends SQLiteOpenHelper {

    public static final String DATABASE_NAME = "users.db";

    public static final String TABLE_NAME = "user_table";

    public static final String COL_1 = "ID";

    public static final String COL_2 = "NAME";

    public static final String COL_3 = "EMAIL";

    public static final String COL_4 = "PASSWORD";

    public DatabaseHelper(Context context) {

        super(context, DATABASE_NAME, null, 1);

    }

    @Override

    public void onCreate(SQLiteDatabase db) {

        db.execSQL("CREATE TABLE " + TABLE_NAME + " (ID INTEGER PRIMARY KEY AUTOINCREMENT, NAME TEXT, EMAIL TEXT, PASSWORD TEXT)");

    }

    @Override

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

        db.execSQL("DROP TABLE IF EXISTS " + TABLE_NAME);

        onCreate(db);

    }

    public boolean insertUser(String name, String email, String password) {

        SQLiteDatabase db = this.getWritableDatabase();

        ContentValues contentValues = new ContentValues();

        contentValues.put(COL_2, name);

        contentValues.put(COL_3, email);

        contentValues.put(COL_4, password);
```



```
        long result = db.insert(TABLE_NAME, null, contentValues);

        return result != -1;
    }

    public boolean checkUser(String email, String password) {

        SQLiteDatabase db = this.getReadableDatabase();

        Cursor cursor = db.rawQuery("SELECT * FROM " + TABLE_NAME + " WHERE EMAIL=? AND PASSWORD=?",
        new String[]{email, password});

        return cursor.getCount() > 0;
    }

    public Cursor getUserDetails(String email) {

        SQLiteDatabase db = this.getReadableDatabase();

        return db.rawQuery("SELECT * FROM " + TABLE_NAME + " WHERE EMAIL=?", new String[]{email});
    }
}

LoginActivity.java

package com.example.database;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class LoginActivity extends AppCompatActivity {

    private EditText etEmail, etPassword;
```



```
private Button btnLogin, btnRegister;

private DatabaseHelper db;

@Override

protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_login);

    etEmail = findViewById(R.id.etEmail);

    etPassword = findViewById(R.id.etPassword);

    btnLogin = findViewById(R.id.btnLogin);

    btnRegister = findViewById(R.id.btnRegister);

    db = new DatabaseHelper(this);

    btnLogin.setOnClickListener(v -> {

        String email = etEmail.getText().toString();

        String password = etPassword.getText().toString();

        if (email.isEmpty() || password.isEmpty()) {

            Toast.makeText(LoginActivity.this, "Please fill all fields", Toast.LENGTH_SHORT).show();

        } else {

            boolean isValid = db.checkUser(email, password);

            if (isValid) {

                Intent intent = new Intent(LoginActivity.this, ProfileActivity.class);

                intent.putExtra("email", email);

                startActivity(intent);

                finish();

            } else {

                Toast.makeText(LoginActivity.this, "Invalid Email or Password", Toast.LENGTH_SHORT).show();

            }

        }

    });

}
```



```
        }  
    }  
});  
  
    btnRegister.setOnClickListener(v -> startActivity(new Intent(LoginActivity.this, activity_register.class)));  
}  
}
```

ProfileActivity.java

```
package com.example.database;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.database.Cursor;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class ProfileActivity extends AppCompatActivity {  
    private TextView tvName, tvEmail;  
    private Button btnLogout;  
    private DatabaseHelper db;  
    private String email;  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);
```




```
        setContentView(R.layout.activity_profile);

// Initialize UI elements
tvName = findViewById(R.id.tvName);
tvEmail = findViewById(R.id.tvEmail);
btnLogout = findViewById(R.id.btnLogout);
db = new DatabaseHelper(this);

// Get the email passed from LoginActivity
email = getIntent().getStringExtra("email");
loadUserDetails(email);

// Set up the logout button click listener
btnLogout.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        startActivity(new Intent(ProfileActivity.this, LoginActivity.class));
        finish(); // Close the ProfileActivity
    }
});

private void loadUserDetails(String email) {
    Cursor cursor = db.getUserDetails(email);
    if (cursor != null && cursor.moveToFirst()) {
        String name = cursor.getString(1); // Column 1 is NAME
        String userEmail = cursor.getString(2); // Column 2 is EMAIL

        tvName.setText(name);
    }
}
```



```
        tvEmail.setText(userEmail);
    } else {
        Toast.makeText(this, "User details not found", Toast.LENGTH_SHORT).show();
    }

    // Close the cursor to prevent memory leaks
    if (cursor != null) {
        cursor.close();
    }
}

activity_profile.xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:orientation="vertical"
    tools:context=".ProfileActivity">

    <TextView
        android:id="@+id/tvName"
        android:textSize="50dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Name" />

    <TextView
```



```
        android:id="@+id/tvEmail"

        android:textSize="50dp"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:text="Email" />

<Button

        android:id="@+id/btnLogout"

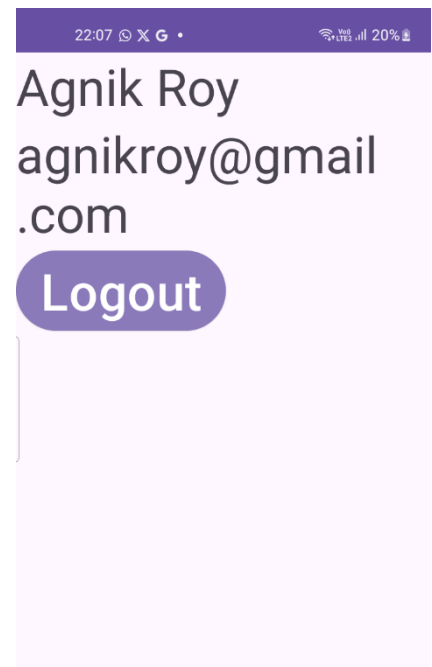
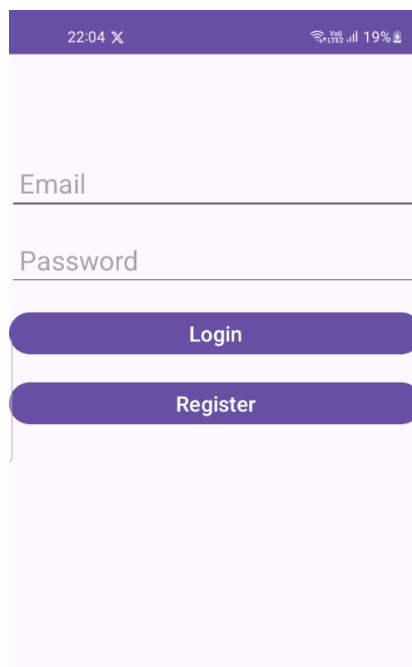
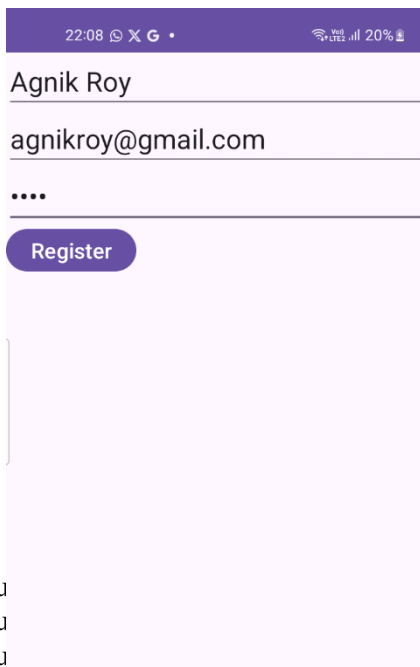
        android:textSize="50dp"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:text="Logout" />

</LinearLayout>
```



Brainware University
BCA-2022 SEC – G
GROUP - 2
Paper name-Android Programming Lab
Paper Code-BCAS591



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