**Problem statement : Create an application using Grid Layout to go to another activity.**

**MainActivity.java**

package com.example.exp8;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

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

}

public void onYt(View view)

{

Intent i = new Intent(getApplicationContext(),MainActivity2.class);

startActivity(i);

}

public void onAmazon(View view)

{

Intent i = new Intent(getApplicationContext(),MainActivity3.class);

startActivity(i);

}

public void onFK(View view)

{

Intent i = new Intent(getApplicationContext(),MainActivity4.class);

startActivity(i);

}

public void onMeesho(View view)

{

Intent i = new Intent(getApplicationContext(),MainActivity5.class);

startActivity(i);

}

}

**activity\_main.xml**

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

<GridLayout 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:rowCount="2"

android:columnCount="2"

tools:context=".MainActivity">

<ImageButton

android:layout\_width="188dp"

android:layout\_height="188dp"

android:layout\_rowSpan="0"

android:layout\_column="0"

android:layout\_margin="10dp"

android:onClick="onYt"

app:srcCompat="@drawable/youtube"

tools:ignore="SpeakableTextPresentCheck" />

<ImageButton

android:layout\_width="188dp"

android:layout\_height="188dp"

android:layout\_row="1"

android:layout\_rowSpan="1"

android:layout\_column="1"

android:layout\_margin="10dp"

android:onClick="onAmazon"

app:srcCompat="@drawable/amazon"

tools:ignore="SpeakableTextPresentCheck" />

<ImageButton

android:layout\_width="188dp"

android:layout\_height="188dp"

android:layout\_row="0"

android:layout\_column="1"

android:layout\_margin="10dp"

android:onClick="onFK"

app:srcCompat="@drawable/flipkart"

tools:ignore="SpeakableTextPresentCheck" />

<ImageButton

android:layout\_width="188dp"

android:layout\_height="188dp"

android:layout\_row="1"

android:layout\_column="0"

android:layout\_margin="10dp"

android:onClick="onMeesho"

app:srcCompat="@drawable/meesho"

tools:ignore="SpeakableTextPresentCheck" />

</GridLayout>

**MainActivity2.java**

package com.example.exp8;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity2 extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main2*);

}

}

**activity\_main2.xml**

<?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=".MainActivity2">

<TextView

android:layout\_width="364dp"

android:layout\_height="238dp"

android:layout\_margin="10dp"

android:text="YouTube is an American online video sharing and social media platform headquartered in San Bruno, California, United States. Accessible worldwide, it was launched on February 14, 2005, by Steve Chen, Chad Hurley, and Jawed Karim. It is owned by Google and is the second most visited website, after Google Search."

android:textColor="#000"

android:textSize="20sp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.499" />

</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity3.java**

package com.example.exp8;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity3 extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main3*);

}

}

**activity\_main3.xml**

<?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=".MainActivity3">

<TextView

android:layout\_width="343dp"

android:layout\_height="211dp"

android:layout\_margin="10dp"

android:text="Originally started as an online bookselling company, Amazon has morphed into an internet-based business enterprise that is largely focused on providing e-commerce, cloud computing, digital streaming and artificial intelligence (AI) services."

android:textColor="#000"

android:textSize="20sp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.499" />

</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity4.java**

package com.example.exp8;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity4 extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main4*);

}

}

**activity\_main4.xml**

<?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=".MainActivity4">

<TextView

android:layout\_width="344dp"

android:layout\_height="244dp"

android:layout\_margin="10dp"

android:text="Flipkart operates as an online marketplace that connects buyers and sellers across India. The company generates revenue through commission-based fees, logistics and fulfillment services, advertising, subscription-based services, and financial services."

android:textColor="#000"

android:textSize="20sp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.499" />

</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity5.java**

package com.example.exp8;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity5 extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main5*);

}

}

**activity\_main5.xml**

<?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=".MainActivity5">

<TextView

android:layout\_width="339dp"

android:layout\_height="180dp"

android:layout\_margin="10dp"

android:text="social commerce platform : Meesho is a social commerce platform that undertakes retail distribution, enabling small retail merchants to connect and sell their products effectively via social media channels."

android:textColor="#000"

android:textSize="20sp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.499" />

</androidx.constraintlayout.widget.ConstraintLayout>