PROGRAM NO : 01 **HELLO WORLD PROGRAM**

AIM:

Write a program to Toast Hello World

XML code

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <Button
        android:id="@+id/b1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/click" />

</LinearLayout>
```

JAVA CODE

```
package com.example.myfirstprgm;

import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.Toast;

public class MainActivity extends Activity {
      Button b1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1=(Button)findViewById(R.id.b1);
        b1.setOnClickListener(new OnClickListener() {

                    @Override
                    public void onClick(View arg0) {
                          // TODO Auto-generated method stub
                          Toast t=Toast.makeText(getApplicationContext(), "Hello
World",Toast.LENGTH_LONG);
                          t.show();
                    }
            });
    }
```

PROGRAM NO : 02 **ADDITION OF TWO NUMBERS**

AIM:

Write program to add two numbers

XML code

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <TableLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content" >
```

```
    <TableRow
        android:id="@+id/tableRow1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" >

        <TextView
            android:id="@+id/textView1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Enter 1st no"
            android:textAppearance="?android:attr/textAppearanceMedium" />

        <EditText
            android:id="@+id/editText1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content" >

            <requestFocus />
        </EditText>

    </TableRow>

    <TableRow
        android:id="@+id/tableRow2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" >

        <TextView
            android:id="@+id/textView2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Enter 2nd no"
            android:textAppearance="?android:attr/textAppearanceMedium" />

        <EditText
            android:id="@+id/editText2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"/>

    </TableRow>

    <TableRow
        android:id="@+id/tableRow3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:gravity="center">

        <Button
            android:id="@+id/button1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="SUM" />

    </TableRow>

    <TableRow
        android:id="@+id/tableRow4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" >

        <EditText
            android:id="@+id/editText3"
            android:layout_width="match_parent"
            android:layout_height="wrap_content" />

    </TableRow>
</TableLayout>
```

```
</LinearLayout>
```

JAVA CODE

```
package com.example.addition;

import android.os.Bundle;
import android.app.Activity;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity extends Activity  {
      Button b1;
      EditText e1,e2,e3;
      Double n1,n2,sum;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        e1=(EditText)findViewById(R.id.editText1);
        e2=(EditText)findViewById(R.id.editText2);
        e3=(EditText)findViewById(R.id.editText3);
        b1=(Button)findViewById(R.id.button1);
        b1.setOnClickListener(new OnClickListener() {

                    @Override
                    public void onClick(View arg0) {
                          // TODO Auto-generated method stub
                          n1=Double.parseDouble(e1.getText().toString());
                          n2=Double.parseDouble(e2.getText().toString());
                          sum=(n1+n2);
                          e3.setText(Double.toString(sum));
                    }
            });
    }

}
```

PROGRAM NO : 03 ALERT BOX

AIM:

Write a program to display an alert box with ok and cancel.

XML code

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <Button
        android:id="@+id/bt1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Show Alert" />

</LinearLayout>
```

JAVA CODE

```
package com.example.alert_box;

import android.os.Bundle;
import android.app.Activity;
import android.app.AlertDialog;
```

```
import android.content.DialogInterface;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.Toast;

public class MainActivity extends Activity implements OnClickListener {
	Button b1;

	@Override
	protected void onCreate(Bundle savedInstanceState) {
		super.onCreate(savedInstanceState);
		setContentView(R.layout.activity_main);
		b1=(Button)findViewById(R.id.bt1);
		b1.setOnClickListener(this);
	}
	public void show_alert()
	{
		AlertDialog.Builder a=new AlertDialog.Builder(this);
		a.setTitle("save");
		a.setMessage("Do you really want to save");

		a.setPositiveButton("Yes",new DialogInterface.OnClickListener() {

			@Override
			public void onClick(DialogInterface arg0, int arg1) {
				Toast t1=Toast.makeText(getApplicationContext(),"ok",
Toast.LENGTH_LONG);
				t1.show();
				// TODO Auto-generated method stub

			}
		});

		a.setNegativeButton("No",new DialogInterface.OnClickListener() {

			@Override
			public void onClick(DialogInterface arg0, int arg1) {
				// TODO Auto-generated method stub
				Toast t1=Toast.makeText(getApplicationContext(),"save cancelled",
Toast.LENGTH_LONG);
				t1.show();
			}
		});
		a.show();
	}


	@Override
	public void onClick(View v) {
		// TODO Auto-generated method stub
		if(b1==v)
		{
			show_alert();
		}
	}

}
```

PROGRAM NO : 04 **MENU PROGRAM**

AIM:

Write a program to create menu with three menu items

XML CODE

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

</LinearLayout>
```

JAVA CODE

```
package com.example.menu_program;

import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Toast;

public class MainActivity extends Activity {

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

	@Override
	public boolean onCreateOptionsMenu(Menu menu) {
		menu.add(0, 1, 1, "Home");
		menu.add(0, 2, 2, "Settings");
		menu.add(0, 3, 3, "Gallery");
		//getMenuInflater().inflate(R.menu.main, menu);
		return true;
	}
	public boolean onOptionsItemSelected(MenuItem m)
	{
		switch(m.getItemId())
		{
		case 1:Toast t1=Toast.makeText(getApplicationContext(), "home menu is selected",
Toast.LENGTH_LONG);
		t1.show();
		return true;
		case 2:Toast t2=Toast.makeText(getApplicationContext(), "settings is selected",
Toast.LENGTH_LONG);
		t2.show();
		return true;
		case 3:Toast t3=Toast.makeText(getApplicationContext(), "gallery is selected",
Toast.LENGTH_LONG);
		t3.show();
		return true;
		default:return super.onOptionsItemSelected(m);
		}
	}

}
```

PROGRAM NO : 05 **RADIO BUTTON**

AIM:

Write a program to select gender using radio button

XML CODE

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="fill_parent"
```

```
    android:orientation="vertical" >

    <RadioGroup
        android:id="@+id/rg1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" >


        <RadioButton
            android:id="@+id/rb1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="MALE" />

        <RadioButton
            android:id="@+id/rb2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="FEMALE" />

        <RadioButton
            android:id="@+id/rb3"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="TRANSGENDER" />

    </RadioGroup>

    <Button
        android:id="@+id/b1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="SUBMIT" />

</LinearLayout>
```

JAVA CODE

```
package com.example.radio_button;

import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Toast;

public class MainActivity extends Activity implements OnClickListener {
      RadioButton r1,r2,r3;
      Button bt1;
      RadioGroup rg1;

      @Override
      protected void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_main);
            rg1=(RadioGroup)findViewById(R.id.rg1);
            r1=(RadioButton)findViewById(R.id.rb1);
            r2=(RadioButton)findViewById(R.id.rb2);
            r3=(RadioButton)findViewById(R.id.rb3);
            bt1=(Button)findViewById(R.id.b1);
            bt1.setOnClickListener(this);
      }
```

```
	@Override
	public void onClick(View arg0) {
		// TODO Auto-generated method stub


		int i=rg1.getCheckedRadioButtonId();
		String s="";
		switch(i)
		{
		case R.id.rb1: s=s+"Gender is "+r1.getText().toString();
					break;
		case R.id.rb2: s=s+"Gender is "+r2.getText().toString();
					break;
		case R.id.rb3: s=s+"Gender is "+r3.getText().toString();
					break;
		}
		Toast t=Toast.makeText(getApplicationContext(), s, Toast.LENGTH_LONG);
		t.show();
	}

	}
```

PROGRAM NO : 06 **SPINNER**

AIM:

Write a program to spin four items

XML CODE

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <Spinner
        android:id="@+id/s1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <TextView
        android:id="@+id/t1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="You have selected"
        android:textAppearance="?android:attr/textAppearanceMedium" />

    <EditText
        android:id="@+id/e1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10" >

        <requestFocus />
    </EditText>

</LinearLayout>
```

JAVA CODE

```
package com.example.item_spinner;

import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemSelectedListener;
import android.widget.ArrayAdapter;
```

```
import android.widget.EditText;
import android.widget.Spinner;

public class MainActivity extends Activity implements OnItemSelectedListener {
EditText et1;
Spinner sp1;
String [] items={"red","blue","green","yellow"};
      @Override
      protected void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_main);
            et1=(EditText)findViewById(R.id.e1);
            sp1=(Spinner)findViewById(R.id.s1);
            sp1.setOnItemSelectedListener(this);
            ArrayAdapter ar=new
ArrayAdapter(this,android.R.layout.simple_spinner_dropdown_item,items);
            ar.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
            sp1.setAdapter(ar);
            }


      @Override
      public void onItemSelected(AdapterView<?> arg0, View arg1, int arg2,
                  long arg3) {
            // TODO Auto-generated method stub
            String s1=items[arg2];
            et1.setText(s1);
      }


      @Override
      public void onNothingSelected(AdapterView<?> arg0) {
            // TODO Auto-generated method stub
            et1.setText(" ");
      }

}
```

PROGRAM NO : 07 **CHECK BOX**

AIM:

Write a program to Check the items listed

XML CODE

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <CheckBox
        android:id="@+id/ch1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="red" />

    <CheckBox
        android:id="@+id/ch2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="blue" />

    <CheckBox
        android:id="@+id/ch3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
        android:text="green" />

    <Button
        android:id="@+id/b1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Submit" />

</LinearLayout>
```

JAVA CODE

```
package com.example.checkbox;

import android.os.Bundle;
import android.app.Activity;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.Toast;

public class MainActivity extends Activity  {
      Button bt;
      CheckBox c1,c2,c3;
      String str="";

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
            c1=(CheckBox)findViewById(R.id.ch1);
            c2=(CheckBox)findViewById(R.id.ch2);
            c3=(CheckBox)findViewById(R.id.ch3);
            bt=(Button)findViewById(R.id.b1);
            bt.setOnClickListener(new OnClickListener() {

                  @Override
                  public void onClick(View arg0) {
                        // TODO Auto-generated method stub
                        str="You have seleted  :";
                        if(c1.isChecked())
                        {
                              str+=c1.getText().toString()+" ";

                        }
                        if(c2.isChecked())
                        {
                              str+= c2.getText().toString()+" ";
                        }
                        if(c3.isChecked())
                        {
                              str+=" "+c3.getText().toString()+" ";
                        }

                        Toast t=Toast.makeText(getApplicationContext(),
str,Toast.LENGTH_LONG);
                        t.show();
                  }
            });
    }
}
```

PROGRAM NO 8: Image View

AIM:

Write a Program to Display images from local drive of the computer)

XML code

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

      <Button
             android:id="@+id/button1"
         android:layout_width="wrap_content"
         android:layout_height="wrap_content"
         android:text="Image 1" />


    <ImageView
        android:id="@+id/imageView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:src="@drawable/ic_launcher" />

</LinearLayout>
```

Java code

```
package com.example.image_view;

import android.os.Bundle;
import android.app.Activity;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.ImageView;

public class MainActivity extends Activity {
      Button b1;
      ImageView iv;

      @Override
      protected void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_main);
            iv=(ImageView)findViewById(R.id.imageView1);
            b1=(Button)findViewById(R.id.button1);
            b1.setOnClickListener(new OnClickListener() {

                  @Override
                  public void onClick(View arg0) {
                        // TODO Auto-generated method stub
                        iv.setImageResource(R.drawable.sunflower);
                  }
            });

      }

}
```

PROGRAM NO : 9 LIST VIEW

AIM:

Write program to display items in a list

XML CODE

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <ListView
        android:id="@+id/lv"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" >
    </ListView>

</LinearLayout>
```

JAVA CODE

```
package com.example.list_view;

import android.os.Bundle;
import android.app.Activity;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;

public class MainActivity extends Activity implements OnItemClickListener {
      ListView lv;


      @Override
      protected void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_main);
            lv=(ListView)findViewById(R.id.lv);
            String []values={"Apple","Grapes","pineapple","strawberry"};
            ArrayAdapter aa=new ArrayAdapter(this,
android.R.layout.simple_list_item_1,android.R.id.text1,values);
            lv.setAdapter(aa);
            lv.setOnItemClickListener(this);
      }


      @Override
      public void onItemClick(AdapterView<?> arg0, View arg1, int arg2, long arg3) {
            // TODO Auto-generated method stub
            String itemvalue=(String)lv.getItemAtPosition(arg2);
            Toast t=Toast.makeText(getApplicationContext(),"You have selected "+ itemvalue,
Toast.LENGTH_LONG);
            t.show();

      }

}
```

PROGRAM NO : 10 **FETCH DATA**

AIM

Write a program to fetch data from an EditText and display it in a TextView

XML CODE

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <EditText
```

```
        android:id="@+id/editText1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10" >

        <requestFocus />
    </EditText>

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="CLICK" />

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=" "
        android:textAppearance="?android:attr/textAppearanceLarge" />

</LinearLayout>
```

JAVA CODE

```
package com.example.fetchdata;

import android.os.Bundle;
import android.app.Activity;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends Activity {
Button b;
EditText e1;
TextView t;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        e1=(EditText)findViewById(R.id.editText1);
        t=(TextView)findViewById(R.id.textView1);
        b=(Button)findViewById(R.id.button1);
        b.setOnClickListener(new OnClickListener() {

                    @Override
                    public void onClick(View arg0) {
                          // TODO Auto-generated method stub
                          t.setText(e1.getText().toString());
                    }
            });
    }

}
```

PROGRAM NO : 11 **MULTIPLICATION TABLE**

AIM

Write a program to display multiplication table of a given number

XML CODE

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >
```

```
    <TableLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content" >

        <TableRow
            android:id="@+id/tableRow1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content" >

            <TextView
                android:id="@+id/textView1"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="Enter Number"
                android:textAppearance="?android:attr/textAppearanceLarge" />

            <EditText
                android:id="@+id/editText1"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:ems="10" >

                <requestFocus />
            </EditText>

        </TableRow>

        <TableRow
            android:id="@+id/tableRow2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content" >
        </TableRow>

        <TableRow
            android:id="@+id/tableRow3"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:gravity="center" >

            <Button
                android:id="@+id/button1"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="show" />

        </TableRow>

        <TableRow
            android:id="@+id/tableRow4"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:gravity="center" >

            <TextView
                android:id="@+id/textView2"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text=" "
                android:textAppearance="?android:attr/textAppearanceMedium" />

        </TableRow>
    </TableLayout>

</LinearLayout>
```

JAVA CODE

```
package com.example.multiplicationtable;

import android.os.Bundle;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.app.Activity;

public class MainActivity extends Activity {
      EditText editText;
      Button button;
      TextView result;
      int ans=0;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        editText=(EditText)findViewById(R.id.editText1);
            button=(Button)findViewById(R.id.button1);
            result=(TextView)findViewById(R.id.textView2);
            button.setOnClickListener(new OnClickListener() {

                  @Override
                  public void onClick(View arg0) {
                        // TODO Auto-generated method stub
                        StringBuffer buffer = new StringBuffer();
                        String fs=editText.getText().toString();
                        int n = Integer.parseInt(fs);
                        for (int i = 1; i <= 10; i++)
                        {
                        ans = (i * n);
                        buffer.append(i + " X " + n + " = " + ans + "\n");
                        result.setText(buffer);
                        }
                        }

            });
}
}
```

PROGRAM NO : 12 **IP ADDRESS**

AIM:

Write a program to get IP Adress of the device

XML CODE

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.ipaddress"
    android:versionCode="1"
    android:versionName="1.0" >

    <uses-sdk
        android:minSdkVersion="8"
        android:targetSdkVersion="21" />

     <uses-permission android:name="android.permission.ACCESS_WIFI_STATE" />
     <uses-permission android:name="android.permission.INTERNET" />
```

```
<application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme"
        >
        <activity
            android:name=".MainActivity"
            android:label="@string/app_name" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

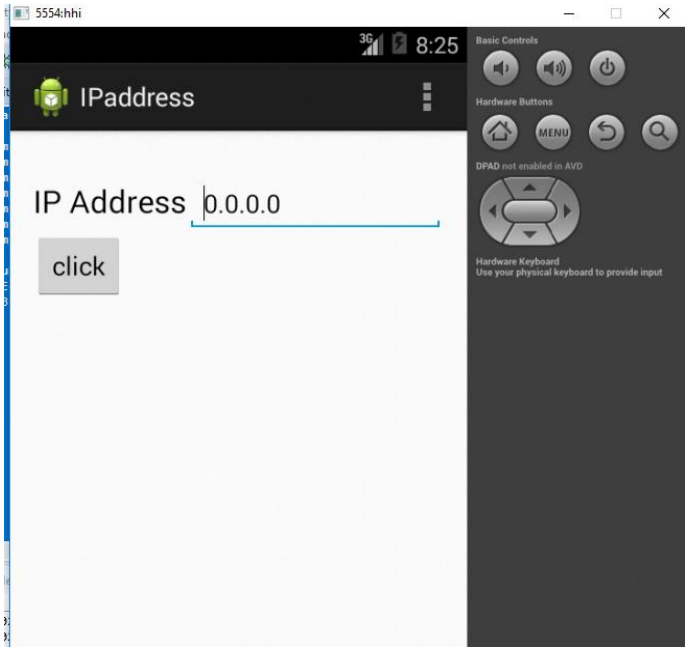
Activity main.xml

```
<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:padding="16dp"
    android:orientation="vertical"
    tools:context=".EditextToTextViewActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="IP Address"
            android:textAppearance="?android:attr/textAppearanceLarge" />

        <EditText
            android:id="@+id/editText1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:ems="10" />

    </LinearLayout>

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="click" />

</LinearLayout>
```

MainActivity.java

```
package com.example.ipaddress;

import android.os.Bundle;
import android.text.format.Formatter;
```

```
import android.app.Activity;
import android.net.wifi.WifiManager;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity extends Activity {
 EditText e;
 Button b;

      @Override
      protected void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_main);
            e =(EditText)findViewById(R.id.editText1);
            b =(Button)findViewById(R.id.button1);
            b.setOnClickListener(new View.OnClickListener() {

                  @Override
                  public void onClick(View arg0) {
                        // TODO Auto-generated method stub
             WifiManager wm
=(WifiManager)getApplicationContext().getSystemService(WIFI_SERVICE);


            String ip = Formatter.formatIpAddress(wm.getConnectionInfo().getIpAddress());

                        e.setText(ip);
                  }
            });

      }

}
```



PROGRAM NO : 13 **BACKGROUND COLOUR**

AIM:

Write a program to change the background colour

XML CODE

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
```

```
    android:layout_height="fill_parent"
    android:orientation="vertical"
    android:id="@+id/layout">

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="CHANGE" />

</LinearLayout>
```

JAVA CODE

```
package com.example.changebackgroundcolor;

import android.os.Bundle;
import android.app.Activity;
import android.graphics.Color;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.LinearLayout;

public class MainActivity extends Activity {
      LinearLayout l;
      Button b;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        l=(LinearLayout)findViewById(R.id.layout);
        l.setBackgroundColor(Color.CYAN);
        b=(Button)findViewById(R.id.button1);
        b.setOnClickListener(new OnClickListener() {

                    @Override
                    public void onClick(View arg0) {
                          // TODO Auto-generated method stub
                    l.setBackgroundColor(Color.BLUE);
                    }
            });
    }


}
```

PROGRAM NO : 14 **BACKGROUND IMAGE**

AIM:

Write a program to change the background image

XML CODE

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical"
    android:background="@drawable/sunflower"
    android:id="@+id/layout">

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="change" />
```

```
</LinearLayout>
```

JAVA CODE

```
package com.example.backgroundimage;

import android.os.Bundle;
import android.app.Activity;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.LinearLayout;

public class MainActivity extends Activity {
      LinearLayout layout;
    Button btnchange;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        layout =(LinearLayout) findViewById(R.id.layout);

        btnchange=(Button)findViewById(R.id.button1);
        btnchange.setOnClickListener(new OnClickListener() {

                    @Override
                    public void onClick(View arg0) {
                          // TODO Auto-generated method stub
                          layout.setBackgroundResource(R.drawable.flowers);
                    }
            });
}
}
```

PROGRAM NO : 15 **INTENT**

AIM:

Write a program to start another activity from your own activity using intent

XML CODE

Activity_main.xml

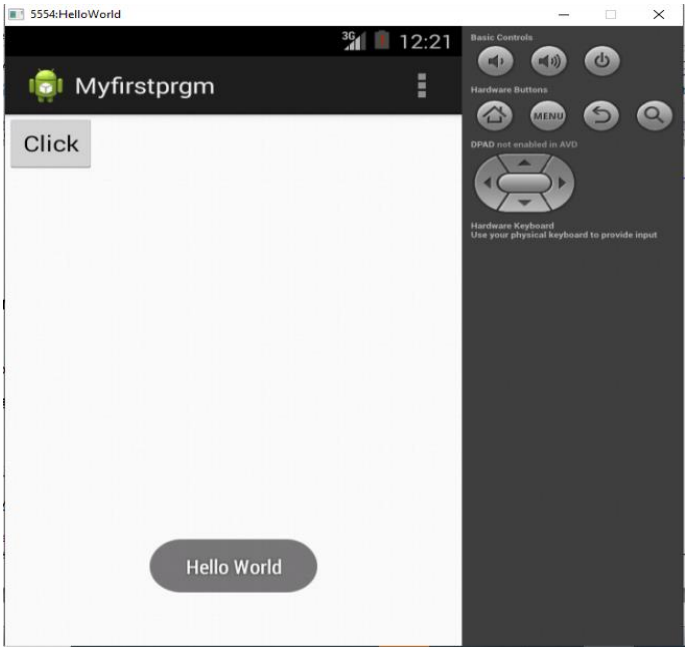
```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="This is ativity 1"
        android:textAppearance="?android:attr/textAppearanceLarge" />

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="NEXT" />

</LinearLayout>
```

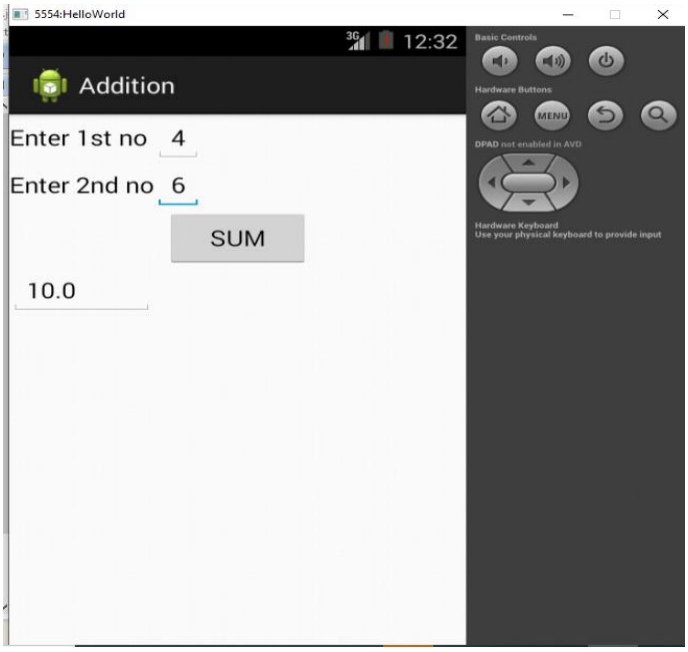
Activity_main2.xml

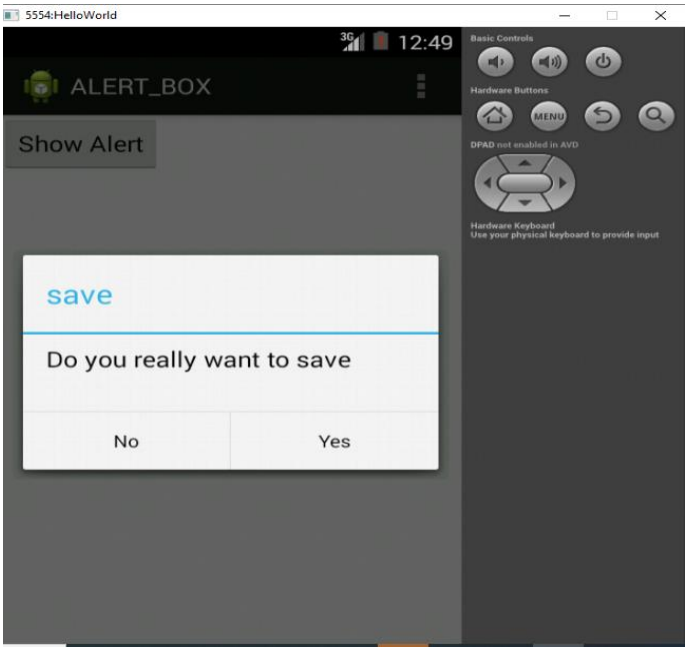
```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="This is activity 2"
        android:textAppearance="?android:attr/textAppearanceLarge" />

</LinearLayout>
```

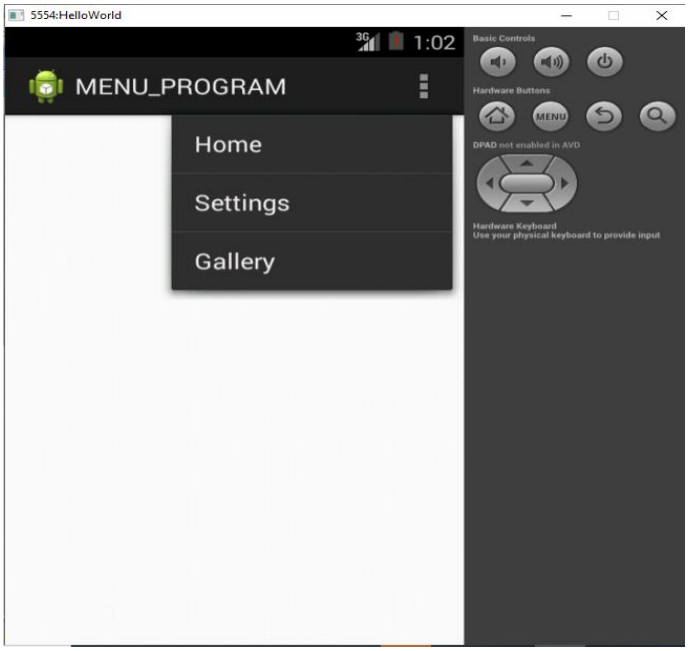
JAVACODE

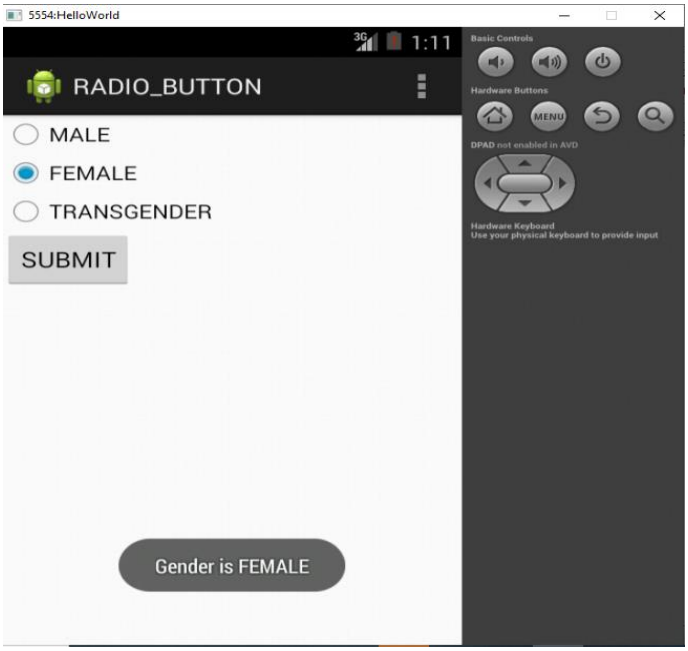
```
package com.example.intent;

import android.os.Bundle;
import android.app.Activity;
import android.content.Intent;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;

public class MainActivity extends Activity {
Button b;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b=(Button)findViewById(R.id.button1);
        b.setOnClickListener(new OnClickListener() {

                    @Override
                    public void onClick(View arg0) {
                          // TODO Auto-generated method stub
                          Intent i=new Intent(MainActivity.this,MainActivity2.class);
                          startActivity(i);
                    }
            });
    }


    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.main, menu);
        return true;
    }

}
```

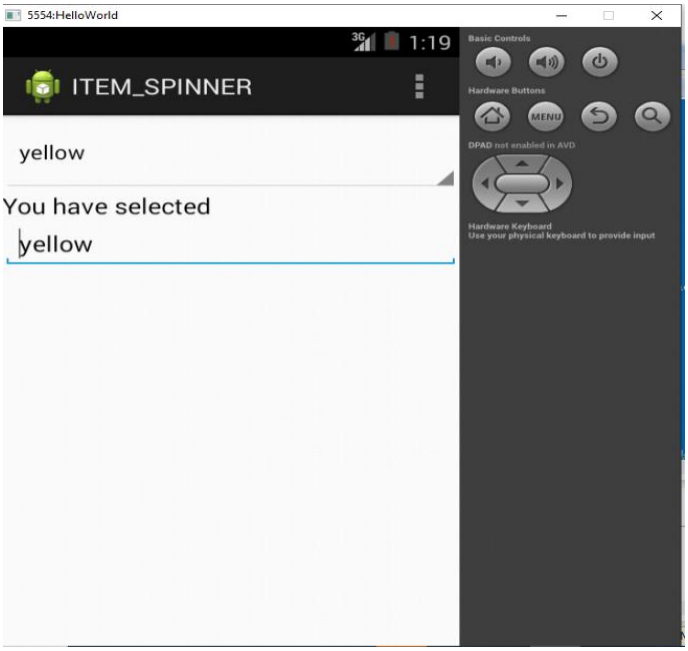

5554:HelloWorld
12:21
Myfirstprgm
Click
Hello World

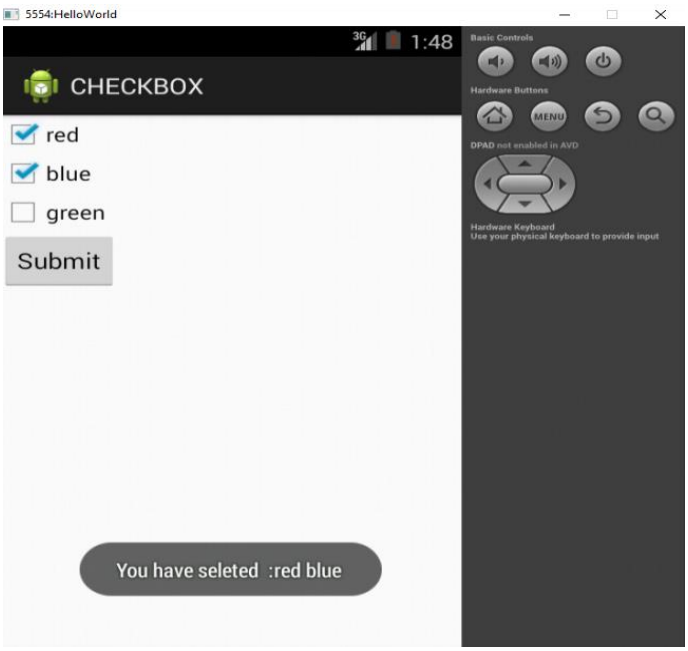

5554:HelloWorld
12:32
Addition
Enter 1st no 4
Enter 2nd no 6
SUM
10.0

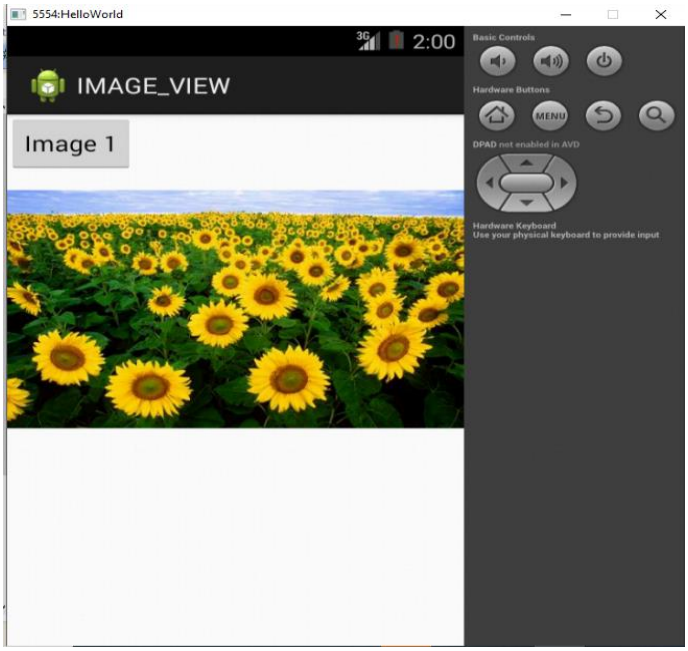

5554:HelloWorld
12:49
ALERT_BOX
Show Alert
save
Do you really want to save
No
Yes

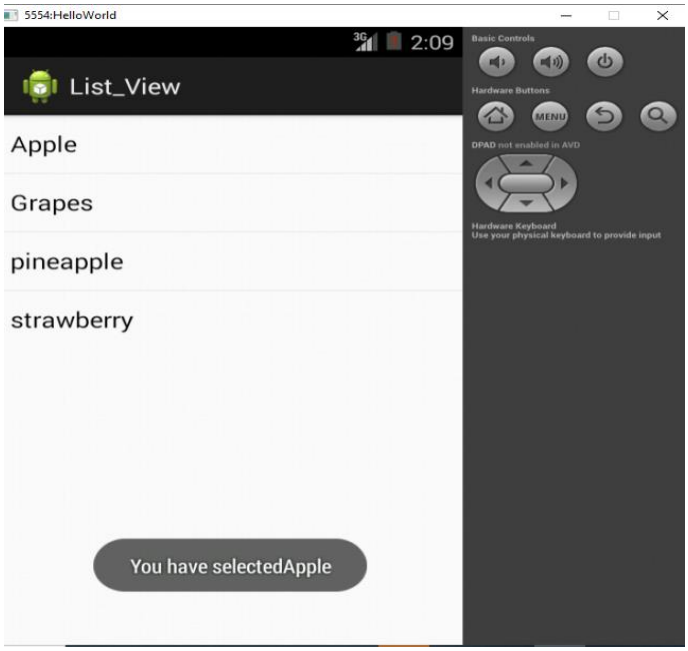

5554:HelloWorld
1:02
MENU_PROGRAM
Home
Settings
Gallery

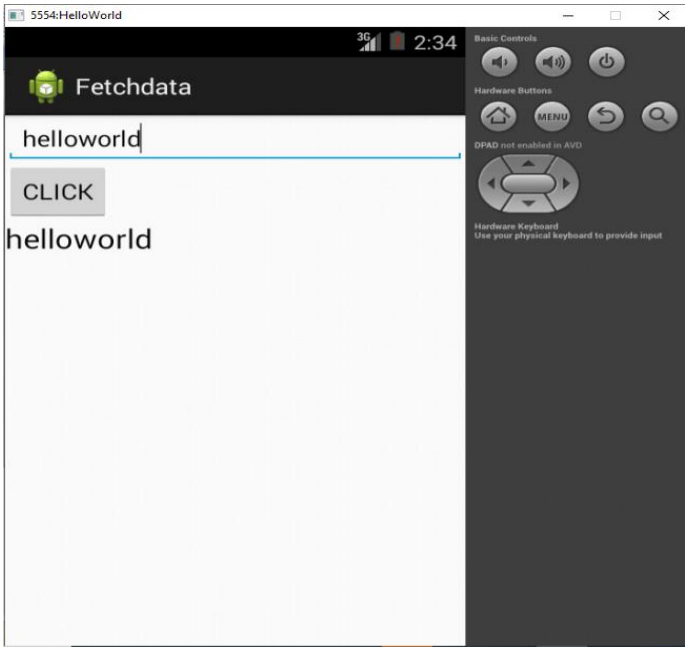

5554:HelloWorld
1:11
RADIO_BUTTON
MALE
FEMALE
TRANSGENDER
SUBMIT
Gender is FEMALE

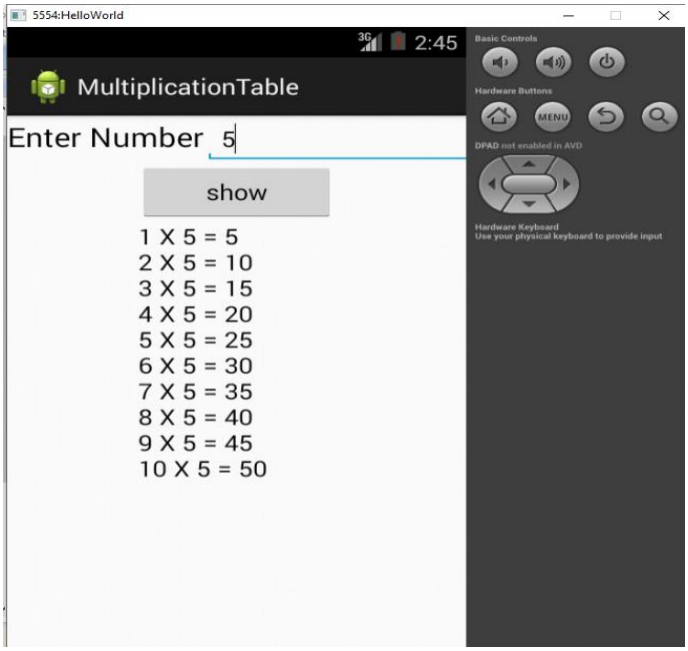

5554:HelloWorld
1:19
ITEM_SPINNER
yellow
You have selected
yellow

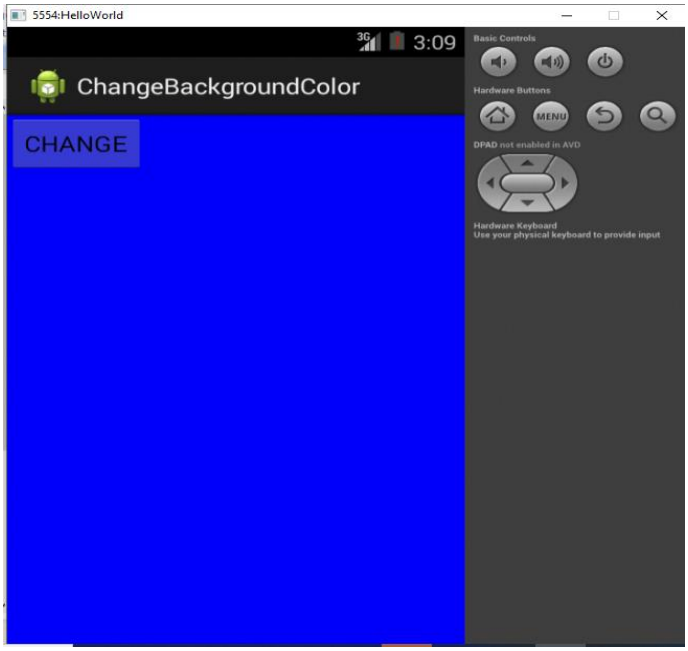

5554:HelloWorld
1:48
CHECKBOX
red
blue
green
Submit
You have seleted :red blue

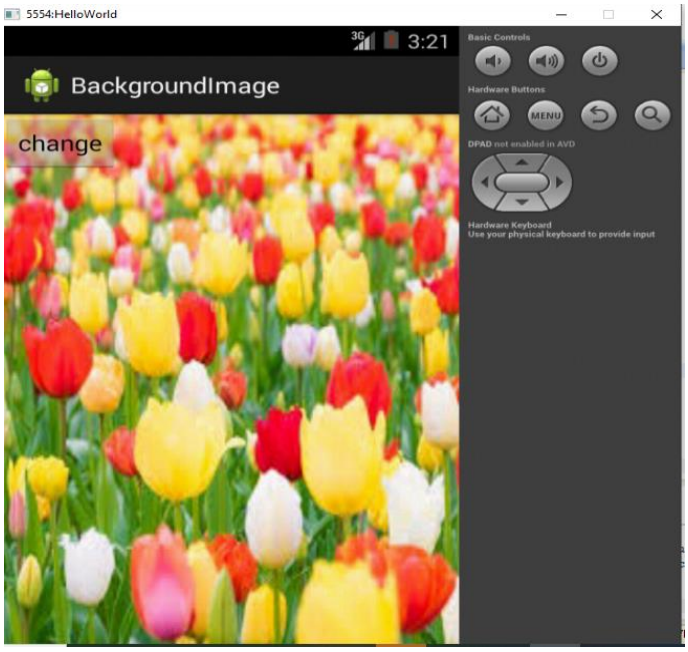

5554:HelloWorld
2:00
IMAGE_VIEW
Image 1

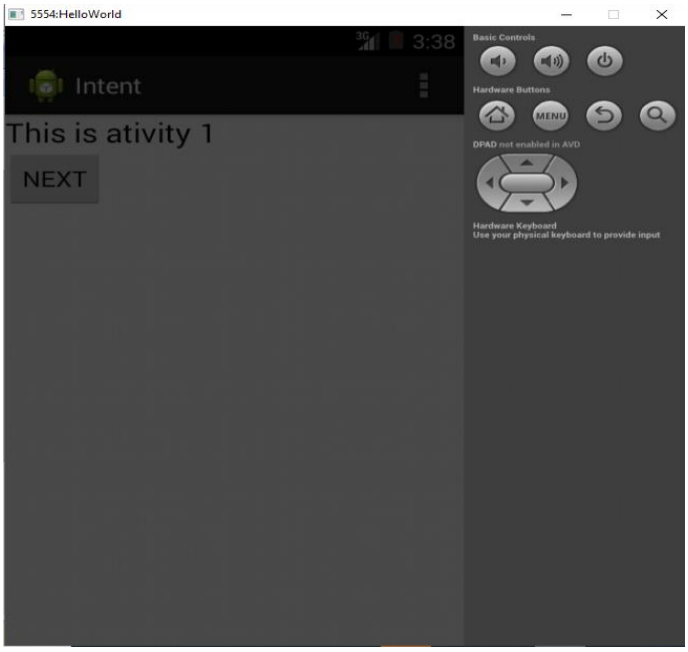

5554:HelloWorld
2:09
List_View
Apple
Grapes
pineapple
strawberry
You have selectedApple

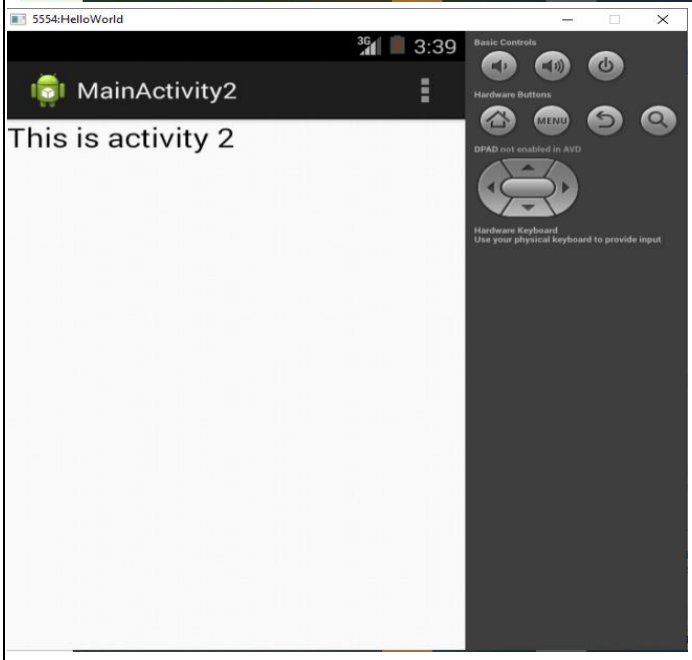

5554:HelloWorld
2:34
Fetchdata
helloworld
CLICK
helloworld


5554:HelloWorld
2:45
MultiplicationTable
Enter Number 5
show
1 X 5 = 5
2 X 5 = 10
3 X 5 = 15
4 X 5 = 20
5 X 5 = 25
6 X 5 = 30
7 X 5 = 35
8 X 5 = 40
9 X 5 = 45
10 X 5 = 50


5554:HelloWorld
3:09
ChangeBackgroundColor
CHANGE


5554:HelloWorld
3:21
BackgroundImage
change
Basic Controls
Hardware Buttons
MENU
DPAD not enabled in AVD
Hardware Keyboard
Use your physical keyboard to provide input


5554:HelloWorld
3:38
Intent
This is ativity 1
NEXT
Basic Controls
Hardware Buttons
MENU
DPAD not enabled in AVD
Hardware Keyboard
Use your physical keyboard to provide input


5554:HelloWorld
3:39
MainActivity2
This is activity 2
Basic Controls
Hardware Buttons
MENU
DPAD not enabled in AVD
Hardware Keyboard
Use your physical keyboard to provide input