**Practical no.9**

**List View with Event Handling**

**//Activity\_main.xml file**

<?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=”.MainActivity”>

<ListView

android:id=”@+id/lv”

android:layout\_width=”match\_parent”

android:layout\_height=”wrap\_content” />

</LinearLayout>

**//Main Activity.java file**

package com.example.listdemo21;

import androidx.appcompat.app.AppCompatActivity;

import android.graphics.Color;

import android.os.Bundle;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.ListView;

import android.widget.TextView;

public class MainActivity extends AppCompatActivity implements

AdapterView.OnItemClickListener

{

List View lv1;

String[] c={“red”,”green”,”blue”};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

lvl =(ListView)findViewById(R.id.lv);

ArrayAdapter<String> a = new

ArrayAdapter<String>(this,android.R.layout.simple\_list\_item\_l,c);

lv1.setAdapter(a);

lv1.setOnItemClickListener(this);

}

@Override

public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {

TextView tv (TextView) view;

if (i==0){

tv.setBackgroundColor(Color.RED);

}

if (i==1){

tv.setBackgroundColor(Color.GREEN);

}

if (i==2){

tv.setBackgroundColor(Color.BLUE);

}

}

}