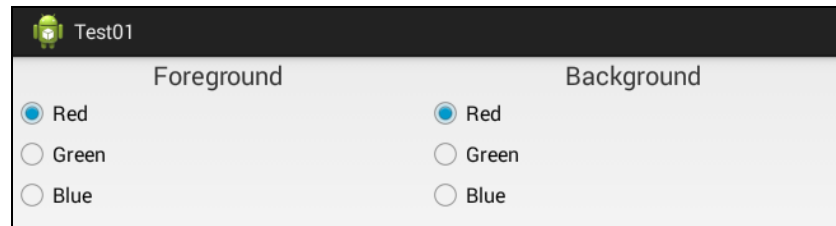


Lab No. 10 :Advanced UI

Tasks:

1. ColorChanger using
RadioButton

SOLUTION:



```
public class MainActivity extends AppCompatActivity {

    RadioGroup radioGroupback,radioGroupFore;
    RadioButton selectedRadioButton;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        radioGroupback=(RadioGroup)findViewById(R.id.rdgback);
        radioGroupFore=(RadioGroup)findViewById(R.id.rdgfore);
    }
    public void onClick(View v)
    {
        View root=v.getRootView();
        switch(radioGroupback.getCheckedRadioButtonId())
        {
            case R.id.redbg:
                root.setBackgroundColor(Color.RED);
                break;
            case R.id.greenbg:
                root.setBackgroundColor(Color.GREEN);
                break;
            case R.id.bluebg:
                root.setBackgroundColor(Color.BLUE);
                break;
        }
    }
    public void onClick1(View view) {
        selectedRadioButton =
(RadioButton)findViewById(radioGroupFore.getCheckedRadioButtonId());
        switch(radioGroupFore.getCheckedRadioButtonId())
        {
            case R.id.red:
                selectedRadioButton.setTextColor(Color.RED);
                break;
            case R.id.green:
                selectedRadioButton.setTextColor(Color.GREEN);
                break;
            case R.id.blue:
                selectedRadioButton.setTextColor(Color.BLUE);
                break;
        }
    }
}
```

OUTPUT:

Lab10AdvancedUI	Lab10AdvancedUI	Lab10AdvancedUI
<p>Foreground</p> <p><input type="radio"/> Red</p> <p><input type="radio"/> Green</p> <p><input checked="" type="radio"/> Blue</p>	<p>Foreground</p> <p><input type="radio"/> Red</p> <p><input type="radio"/> Green</p> <p><input type="radio"/> Blue</p>	<p>Foreground</p> <p><input type="radio"/> Red</p> <p><input type="radio"/> Green</p> <p><input type="radio"/> Blue</p>
<p>Background</p> <p><input type="radio"/> Red</p> <p><input type="radio"/> Green</p> <p><input type="radio"/> Blue</p>	<p>Background</p> <p><input type="radio"/> Red</p> <p><input checked="" type="radio"/> Green</p> <p><input type="radio"/> Blue</p>	<p>Background</p> <p><input checked="" type="radio"/> Red</p> <p><input type="radio"/> Green</p> <p><input type="radio"/> Blue</p>

- Managing sign up application in which you have list view which allow user to either sign in, cancel or sign up. In sign up activity you have to use radio Button and spinner as per your requirements.

```
public class MainActivity extends AppCompatActivity {

    RadioGroup radioGroupback,radioGroupFore;
    RadioButton selectedRadioButton;
    ListView listView;
    String[] listItem;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        listView=(ListView)findViewById(R.id.listView);
        listItem = getResources().getStringArray(R.array.array_Sign);
        final ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,
            android.R.layout.simple_list_item_1, android.R.id.text1,
listItem);
        listView.setAdapter(adapter);
        listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> adapterView, View view, int i,
long l) {
                String value=adapter.getItem(i);
                if (value.equals("SignUp"))
                {
                    Intent intent=new Intent(MainActivity.this,Signup.class);
                    startActivity(intent);
                }
                Toast.makeText(getApplicationContext(),value,Toast.LENGTH_SHORT).show();
            }
        });
    }
}
```

SIGN UP JAVA CLASS:

```
public class Signup extends AppCompatActivity implements
AdapterView.OnItemSelectedListener {
    String[] Feild = { "BSE", "BEE", "BBA-2[Year]", "BBA-4[Year]", "Other"};
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_signup);
        Spinner spin = (Spinner) findViewById(R.id.spinner);
        spin.setOnItemSelectedListener(this);
        ArrayAdapter aa = new
ArrayAdapter(this, android.R.layout.simple_spinner_item, Feild);
        aa.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        //Setting the ArrayAdapter data on the Spinner
        spin.setAdapter(aa);
    }
    @Override
    public void onItemSelected(AdapterView<?>
adapterView, View view, int i, long l) {

        Toast.makeText(getApplicationContext(), Feild[i] ,
        Toast.LENGTH_SHORT).show();
    }
    @Override
    public void onNothingSelected(AdapterView<?>
adapterView) {
    }
}
```

OUTPUT:

Question2
SignIn
SignUp
Cancel

Lab10AdvancedUI

SIGN UP

Adil Waheed

.....

.....

Gender: ☒ Male ☐ Female

BSE ▼

SIGN UP

Lab10AdvancedUI

Foreground

Red Green Blue

Background

Red Green Blue

Question2

SignIn

SignUp

Cancel