

```
1 package com.example.form;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.content.Intent;
6 import android.os.Bundle;
7 import android.view.View;
8 import android.widget.Button;
9 import android.widget.CheckBox;
10 import android.widget.EditText;
11 import android.widget.RadioButton;
12 import android.util.Patterns;
13 import android.widget.Toast;
14
15 public class MainActivity extends AppCompatActivity {
16     EditText name, dob, address, password, email;
17     RadioButton male, female;
18     CheckBox sports, music, games;
19     Button enter, clear;
20     @Override
21     protected void onCreate(Bundle savedInstanceState) {
22         super.onCreate(savedInstanceState);
23         setContentView(R.layout.activity_main);
24
25         name = (EditText) findViewById(R.id.name);
26         dob = (EditText) findViewById(R.id.dob);
27         address = (EditText) findViewById(R.id.
28             address);
29         password = (EditText) findViewById(R.id.
30             password);
31         email = (EditText) findViewById(R.id.email);
32
33         male = (RadioButton) findViewById(R.id.male);
34         female = (RadioButton) findViewById(R.id.
35             female);
36
37         sports = (CheckBox) findViewById(R.id.sports
38             );
39         music = (CheckBox) findViewById(R.id.music);
```

```
37         games = (CheckBox) findViewById(R.id.games);
38
39         enter = (Button) findViewById(R.id.enter);
40         clear = (Button) findViewById(R.id.clear);
41
42         clear.setOnClickListener(new View.
OnClickListener() {
43             @Override
44             public void onClick(View view) {
45                 name.setText("");
46                 dob.setText("");
47                 address.setText("");
48                 password.setText("");
49                 email.setText("");
50
51                 sports.setChecked(false);
52                 music.setChecked(false);
53                 games.setChecked(false);
54
55             }
56         });
57
58         enter.setOnClickListener(new View.
OnClickListener() {
59             @Override
60             public void onClick(View view) {
61                 if (checkAll()) {
62                     Intent i = new Intent(
MainActivity.this, MainActivity2.class);
63                     startActivity(i);
64                 }
65
66             }
67         });
68
69
70     }
71
72     public boolean checkAll() {
73
74         if (name.length() == 0) {
```

```
75         name.setError("This field cannot be  
Blank");  
76         return false;  
77     }  
78     if (address.length() == 0) {  
79         address.setError("This field is Required  
");  
80         return false;  
81     }  
82  
83     if (password.getText().length() < 8) {  
84         password.setError("At least 8 is  
required");  
85         return false;  
86     }  
87     String passwordStr = password.getText().  
toString();  
88     if (!passwordStr.matches(".*[!@#$%^&*].*"  
)) {  
89         password.setError("Special Characters  
Required");  
90         return false;  
91     }  
92     if (!male.isChecked() && !female.isChecked  
()) {  
93         Toast.makeText(getApplicationContext(),  
"At least one must be checked", Toast.LENGTH_LONG).  
show();  
94         return false;  
95     }  
96  
97     if (email.length() == 0)  
98     {  
99         email.setError("Field cannot be Empty");  
100        return false;  
101    }  
102  
103    if (!Patterns.EMAIL_ADDRESS.matcher(  
email.getText().toString()).matches()) {  
104        email.setError("Invalid email  
address");
```

```
105             return false;
106         }
107
108
109         return true;
110     }
111
112 }
113
```