

```

1.package com.example.first;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
    EditText e1,e2,e3,e4,e5,e6,e7,e8;
    Button b1;
    TextView t1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        e1=(EditText) findViewById(R.id.ed1);
        e2=(EditText) findViewById(R.id.ed2);
        e3=(EditText) findViewById(R.id.ed3);
        e4=(EditText) findViewById(R.id.ed4);
        e5=(EditText) findViewById(R.id.ed5);
        e6=(EditText) findViewById(R.id.ed6);
        e7=(EditText) findViewById(R.id.ed7);
        e8=(EditText) findViewById(R.id.ed7);
        b1=(Button) findViewById(R.id.btn);
        t1=(TextView) findViewById(R.id.result) ;
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String n1,n2,n3,n4,n5,n6,n7,n8;
                n1=e1.getText().toString();
                n2=e2.getText().toString();
                n3=e3.getText().toString();
                n4=e4.getText().toString();
                n5=e5.getText().toString();
                n6=e6.getText().toString();
                n7=e7.getText().toString();
                n8=e8.getText().toString();
                float cgpa=(Float.parseFloat(n1)+Float.parseFloat(n2)+
Float.parseFloat(n3)+Float.parseFloat(n4)+Float.parseFloat(n5)+Float.parseFloat(n6
)+Float.parseFloat(n7)+Float.parseFloat(n8))/8;
                t1.setText(String.valueOf(cgpa));
            }
        });
    }
}

```

```

2.package com.example.login;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        EditText e1=(EditText) findViewById(R.id.email);
        EditText e2=(EditText) findViewById(R.id.password);
        Button b1=(Button) findViewById(R.id.login);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String username = "admin@example.com";
                String password = "admin123";
                String str=e1.getText().toString();
                String sub =e2.getText().toString();
                String successMsg = "Login Sucessfull";
                String failureMsg = "Invalid Credentials";
                if(str.equals(username) && sub.equals(password)){
                    Toast.makeText(getApplicationContext(),successMsg,
Toast.LENGTH_LONG).show();
                }else {
                    Toast.makeText(getApplicationContext(),failureMsg,
Toast.LENGTH_LONG).show();
                }
            }
        });
    }
}

```

```

3.package com.example.third;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
public class MainActivity extends AppCompatActivity {
    EditText e1;
    Button b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);
        e1 = (EditText) findViewById(R.id.textPhone);
        b1 = (Button) findViewById(R.id.btn);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                AlertDialog.Builder alert = new
AlertDialog.Builder(MainActivity.this);
                alert.setTitle("Phone number format");
                alert.setCancelable(true);
                if (e1.length() == 10) {
                    alert.setMessage("Phone number is valid");
                } else {
                    alert.setMessage("Phone number is invalid");
                }
                alert.show();
            }
        });
    }
}

```

4.MainActivity1:

```
package com.example.second;
import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
    Button b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1=(Button) findViewById(R.id.solar_page);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent conn = new
Intent(getApplicationContext(),MainActivity2.class);
                startActivity(conn);
                startActivityForResult(conn,1);
            }
        });
    }
    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable
Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        TextView t1=(TextView)findViewById(R.id.textDisplay);
        if (requestCode==1)
            if (resultCode==RESULT_OK){
                String res = data.getStringExtra("Planets");
                t1.setText(String.valueOf(res)); } } }
```

MainActivity2:

```
package com.example.second;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
public class MainActivity2 extends AppCompatActivity {
    Button b2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        java.lang.String total="8";
```

```
b2=(Button) findViewById(R.id.back);
b2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent in=getIntent();
        in.putExtra("Planets",total);
        setResult(RESULT_OK,in);
        finish();
    }
});
}}
```

```

5.package com.example.fifth;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.RadioButton;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    RadioButton rb1,rb2,rb3,rb4,rb21, rb22, rb23;
    ImageView img,img1;
    Button b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        rb1=(RadioButton) findViewById(R.id.opt1);
        rb2=(RadioButton) findViewById(R.id.opt2);
        rb3=(RadioButton) findViewById(R.id.opt3);
        rb4=(RadioButton) findViewById(R.id.opt4);
        rb21=(RadioButton) findViewById(R.id.opt21);
        rb22=(RadioButton) findViewById(R.id.opt22);
        rb23=(RadioButton) findViewById(R.id.opt23);
        img=(ImageView)findViewById(R.id.wrong);
        img1=(ImageView)findViewById(R.id.right);
        b1 = (Button) findViewById(R.id.button);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                int cnt = 0;
                if(rb1.isChecked()){
                    img.setVisibility(View.VISIBLE);
                    img1.setVisibility(View.INVISIBLE);
                }
                if(rb2.isChecked()){
                    img.setVisibility(View.VISIBLE);
                    img1.setVisibility(View.INVISIBLE);
                }
                if(rb3.isChecked()){
                    img.setVisibility(View.INVISIBLE);
                    img1.setVisibility(View.VISIBLE);
                    cnt = cnt + 1;
                }
                if(rb4.isChecked()){
                    img.setVisibility(View.VISIBLE);
                    img1.setVisibility(View.INVISIBLE);
                }
                if(rb21.isChecked()){

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        img.setVisibility(View.INVISIBLE);
        img1.setVisibility(View.VISIBLE);
        cnt = cnt + 1;
    }
    if(rb22.isChecked()){
        img.setVisibility(View.VISIBLE);
        img1.setVisibility(View.INVISIBLE);
    }
    if(rb23.isChecked()){
        img.setVisibility(View.VISIBLE);
        img1.setVisibility(View.INVISIBLE);
    }
    Toast.makeText(MainActivity.this, "Total"+ String.valueOf(cnt),
    Toast.LENGTH_SHORT).show();
    }
    });
}
}

```

```

6.package com.example.sixth;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.TextView;
import android.widget.Toast;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

import org.w3c.dom.Text;

public class MainActivity extends AppCompatActivity {
    CheckBox c1, c2, c3;
    Button b1, b2;
    TextView tv1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);
        c1 = (CheckBox)findViewById(R.id.cb1);
        c2 = (CheckBox)findViewById(R.id.cb2);
        c3 = (CheckBox)findViewById(R.id.cb3);
        b1 = (Button)findViewById(R.id.bill);
        b2 = (Button)findViewById(R.id.pay);

        tv1 = (TextView)findViewById(R.id.amount);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                int total =0;
                if(c1.isChecked()){
                    total = total + 30;
                }
                if(c2.isChecked()){
                    total = total + 50;
                }
                if(c3.isChecked()){
                    total = total + 45;
                }

                tv1.setText("Total :"+String.valueOf(total));
            }
        }
    }
}

```



```
});

b2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Toast.makeText(MainActivity.this, "Redirecting to Payment",
Toast.LENGTH_SHORT).show();
    }
});
}
```

```

7.package com.example.seven;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.widget.Toast;
import androidx.appcompat.widget.Toolbar;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Toolbar toolbar = findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
    }
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        MenuInflater inflater = new MenuInflater(this);
        inflater.inflate(R.menu.menu, menu);
        return true;
    }
    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem item) {
        super.onOptionsItemSelected(item);
        switch (item.getItemId())
        {
            case 0: Toast.makeText(getApplicationContext(),"Opens a New
File",Toast.LENGTH_LONG).show();
                return true;
            case 1: Toast.makeText(getApplicationContext(),"Opens the existing
file",Toast.LENGTH_LONG).show();
                return true;
            case 2: Toast.makeText(getApplicationContext(),"saves as a existing
file",Toast.LENGTH_LONG).show();
                return true;
            case 3: Toast.makeText(getApplicationContext(),"Saves with the
name",Toast.LENGTH_LONG).show();
                return true;
            case 4: Toast.makeText(getApplicationContext(),"Prints the existing
file",Toast.LENGTH_LONG).show();
                return true;

        }
        return false;
    }
}

```

```

8.package com.example.eight;
import android.os.Bundle;
import android.view.View;
import
android.widget.Button; import
android.widget.EditText;
import
android.widget.LinearLayout;
import android.widget.TextView;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);
        EditText e1 = new EditText(this);
        e1.setText("Name: ");
        e1.setTextSize(20);
        EditText e2 = new EditText(this);
        e2.setText("USN: ");
        e2.setTextSize(20);
        EditText e3 = new EditText(this);
        e3.setText("Branch : ");
        e3.setTextSize(20);
        Button b1 = new
        Button(this);
        b1.setText("Submit");
        b1.setTextSize(20);
        TextView t1 = new TextView(this);
        t1.setText("NAME");
        t1.setTextSize(25);
        TextView t2 = new
        TextView(this);
        t2.setText("USN");
        t2.setTextSize(25);
        TextView t3 = new TextView(this);
        t3.setText("BRANCH");
        t3.setTextSize(25);

        LinearLayout linear = new LinearLayout(this);
        linear.setOrientation(LinearLayout.VERTICAL);
        linear.addView(e1
        );
        linear.addView(e2
        );
        linear.addView(e3

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```

    );
    linear.addView(b1
    );
    linear.addView(t1
    );
    linear.addView(t2
    );
    linear.addView(t3
    );
    LinearLayout.LayoutParams params=new
LinearLayout.LayoutParams(LinearLayout.LayoutParams.MATCH_PARENT,Line
arLayout.LayoutParams.WRAP_CONTENT);
    this.addView(linear,params);
    b1.setOnClickListener(new
        View.OnClickListener() {@Override
        public void onClick(View v) {
            String
            str=e1.getText().toString();
            t1.setText(str);

            String
            str1=e2.getText().toString();
            t2.setText(str1);

            String
            str2=e3.getText().toString();
        }
    }); t3.setText(str2);
}
}
}

```



```

public class MainActivity2 extends AppCompatActivity {
    Button b1;
    TextView t1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        Button b1=(Button) findViewById(R.id.back);
        TextView t1=(TextView) findViewById(R.id.tview);
        t1.setText("The department of Computer Science and Engineering was
established in the year 1983. It offers the 4 years (8 Semesters) B.E. course with
an intake of 180 students.");
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                finish();
            }
        });
    }
}

```

MainActivity3

```

package com.example.nine;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
public class MainActivity3 extends AppCompatActivity {
    Button b1;
    TextView t1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main3);
        Button b1=(Button) findViewById(R.id.back3);
        TextView t1=(TextView) findViewById(R.id.tview3);
        t1.setText("The department of Mechanical Engineering (NBA Accredited)
made its beginning with the establishment of the college in 1960. It offers a 4
years (8 semesters) B.E. course in Mechanical Engineering (Autonomous) with
an intake of 120 students.");
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                finish();
            }
        });
    }
}

```

```

10.package com.example.tenth;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    EditText eToText;
    EditText eSubText;
    EditText eMsgText;
    Button btn;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);
        eToText=findViewById(R.id.email);
        eSubText=findViewById(R.id.eSubject);
        eMsgText = findViewById(R.id.eMsg);
        btn = findViewById(R.id.btnMsg);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String list = eToText.getText().toString();
                String[] rec=list.split(",");
                String Sub = eSubText.getText().toString();
                String msg = eMsgText.getText().toString();
                Intent it = new Intent(Intent.ACTION_SEND);
                it.putExtra(Intent.EXTRA_EMAIL,rec);
                it.putExtra(Intent.EXTRA_SUBJECT,Sub);
                it.putExtra(Intent.EXTRA_TEXT,msg);
                it.setType("message/rfc822");
                startActivity(Intent.createChooser(it,"Choose Mail App"));
            }
        });
    }
}

```