**Experiment-4th**

**AIM:-** Create an Android program for a simple Calculator app using UI controls and show arithmeticoperations +, -, /, \* and mod operations on two operands. Perform input validation andappropriate processing.

**Source Code:-**

**public class** MainActivity**extends** AppCompatActivity {  
  
EditText**e1**,**e2**;  
TextView**t1**;  
**intn1**,**n2**,**result**;  
@Override  
**protected void** onCreate(Bundle savedInstanceState) {  
**super**.onCreate(savedInstanceState);  
setContentView(R.layout.***activity\_main***);  
**e1**=(EditText) findViewById(R.id.***first***);  
**e2**=(EditText)findViewById(R.id.***second***);  
**t1**=(TextView)findViewById(R.id.***result***);  
  
 }  
  
**public void** Plus(View view) {  
**n1**=Integer.*parseInt*(**e1**.getText().toString());  
**n2**=Integer.*parseInt*(**e2**.getText().toString());  
**result**=**n1**+**n2**;  
**t1**.setText(**""**+**result**);  
 }  
  
**public void** Minus(View view) {  
**n1**=Integer.*parseInt*(**e1**.getText().toString());  
**n2**=Integer.*parseInt*(**e2**.getText().toString());  
**result**=**n1**-**n2**;  
**t1**.setText(**""**+**result**);  
 }  
  
**public void** Multi(View view) {  
**n1**=Integer.*parseInt*(**e1**.getText().toString());  
**n2**=Integer.*parseInt*(**e2**.getText().toString());  
**result**=**n1**\***n2**;  
**t1**.setText(**""**+**result**);  
 }  
  
**public void** Div(View view) {  
**n1**=Integer.*parseInt*(**e1**.getText().toString());  
**n2**=Integer.*parseInt*(**e2**.getText().toString());  
**double** resul=(**double**) **n1**/**n2**;  
**t1**.setText(**""**+resul);  
 }  
}

**OUTPUT:**

