activity\_main.xml

5*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout 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:background="#CDC7E8F3"  
 tools:context=".MainActivity"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:background="#FFFFFF"  
 android:text="@string/welcome\_to\_divyajot\_s\_convertor"  
 android:textAlignment="center"  
 android:textColor="#673AB7"  
 android:textColorHighlight="#0FFFE9"  
 android:textSize="34sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.057"** />  
  
 <**EditText  
 android:id="@+id/editTextNumberDecimal3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="@string/enter\_number"  
 android:inputType="numberDecimal"  
 android:textColorHint="#5E5E60"  
 android:textSize="24sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.496"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView"  
 app:layout\_constraintVertical\_bias="0.075"  
 tools:ignore="TouchTargetSizeCheck"  
 android:autofillHints=""** />  
  
  
 <**Button  
 android:id="@+id/meter"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/meter"  
 android:textAlignment="center"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.256"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/editTextNumberDecimal3"  
 app:layout\_constraintVertical\_bias="0.126"** />  
  
 <**Button  
 android:id="@+id/centimeter"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/centimeter"  
 android:textAlignment="center"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/editTextNumberDecimal3"  
 app:layout\_constraintVertical\_bias="0.346"** />  
  
 <**Button  
 android:id="@+id/miles"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/miles"  
 android:textAlignment="center"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.705"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/editTextNumberDecimal3"  
 app:layout\_constraintVertical\_bias="0.126"** />  
  
 <**TextView  
 android:id="@+id/output"  
 android:layout\_width="425dp"  
 android:layout\_height="70dp"  
 android:hint="@string/output"  
 android:textAlignment="center"  
 android:textColor="#7A7878"  
 android:textColorHint="#555151"  
 android:textSize="20sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.73"** />  
  
 <**TextView  
 android:id="@+id/myself"  
 android:layout\_width="269dp"  
 android:layout\_height="59dp"  
 android:text="@string/divyajot\_sapra\_1coe7\_102103201"  
 android:textAlignment="center"  
 android:textColor="#070707"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/output"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

MainActivity.java

**package** com.example.convertor\_divyajot\_102103201;  
  
**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 {  
 TextView **output**;  
 EditText **EnterNum**;  
 Button **kilometer**;  
 Button **meter**;  
 Button **miles**;  
 Button **centimeter**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **output** = findViewById(R.id.***output***);  
 **EnterNum** = findViewById(R.id.***editTextNumberDecimal3***);  
 **meter** = findViewById(R.id.***meter***);  
 **miles** = findViewById(R.id.***miles***);  
 **centimeter** = findViewById(R.id.***centimeter***);  
  
  
 **meter**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 String num = **EnterNum**.getText().toString();  
 **int** number = Integer.*parseInt*(num);  
 **double** meter = (number \* 1000);  
 **output**.setText(**"Value in meter :"** + meter);  
  
 }  
 });  
 **miles**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 String num = **EnterNum**.getText().toString();  
 **int** number = Integer.*parseInt*(num);  
 **double** miles = (number / 1.609);  
 **output**.setText(**"Value in miles :"** + miles);  
 }  
 });  
 **centimeter**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 String num = **EnterNum**.getText().toString();  
 **int** number = Integer.*parseInt*(num);  
 **double** centimeter = (number \* 100000);  
 **output**.setText(**"Value in centimeter :"** + centimeter);  
  
 }  
 });  
  
  
 }  
  
}