# PROGRAM 4

#### XML File

```
<?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"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintLeft_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

## Main Activity.java

```
package com.example.shapes;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(new com.example.shapes.CustomView(this));
    }
}
```

### CustomView.java

```
package com.example.shapes;
import androidx.appcompat.app.AppCompatActivity;

    import android.content.Context;
    import android.graphics.Canvas;
    import android.graphics.Paint;
    import android.graphics.Paint;
    import android.graphics.Rect;

    import android.view.View;

class CustomView extends View
{
    private Rect rectangle;
    private Paint paint, p2;

    public CustomView(Context context)
    {
        super(context);
    }
}
```

### Output

