Program 4

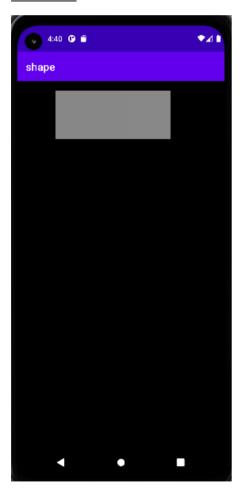
Develop a canvas to draw different shapes and to fill the shapes with different colours.

CustomView.java

MAINACTIVITY. JAVA

```
package com.example.shape;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
//import android.support.v7.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(new com.example.shape.CustomView(this));
    }
}
```

OUTPUT



CIRCLE

CustomView.java

```
package com.example.smiley;
import android.content.Context;
import android.graphics.Calora;
import android.graphics.Color;
import android.graphics.Paint;
import android.view.View;

public class CustomView extends View {
    private Paint paint, paint1,p1;
    public CustomView(Context context) {
        super(context);

        // create a rectangle that we'll draw later

        // create the Paint and set its color
        paint = new Paint();
        paint1.setColor(Color.WHITE);
        paint1.setColor(android.R.color.black);
    }

@Override
protected void onDraw(Canvas canvas) {
        canvas.drawColor(Color.BLACK);
        canvas.drawColor(Color.BLACK);
        canvas.drawColor(E500,500,400,paint);
        canvas.drawOval(450,450,150,250,paint1);
}
```

MAIN_ACTIVITY.JAVA

```
package com.example.smiley;
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.smiley.CustomView(this));
    }
}
```

OUTPUT

