Mobile App Development

Exercise 3

Q1. Develop a simple application to draw the basic graphical primitives on the screen

MainActivity.java:

```
package com.example.paint;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
   public void checkPermission(String permission, int requestCode) {
           Toast.makeText(MainActivity.this, "Permission already granted"
```

MyCanvas.java

```
package com.example.paint;
import android.annotation.SuppressLint;
import android.app.AlertDialog;
import android.content.Context;
import android.content.DialogInterface;
import android.graphics.Bitmap;
import android.graphics.Canvas;
import android.graphics.Path;
import android.graphics.Path;
import android.graphics.Typeface;
import android.view.MotionEvent;
import android.view.Wiew;
import android.widget.SeekBar;
import android.widget.TextView;
import android.widget.Toast;
import com.pes.androidmaterialcolorpickerdialog.ColorPicker;
import java.io.File;
import java.io.FilecutputStream;
import java.util.ArrayList;
import java.util.ArrayS;
import java.util.ArrayS;
import java.util.List;
import java.util.Objects;
```

```
public MyCanvas (Context context, ColorPicker atr cp, int width, int
```

```
buttons.add(shape);
buttons.add(shape);
buttons.add(shape);
buttons.add(shape);
```

```
buttons.add(shape);
       buttons.add(shape);
Math.sqrt(Math.pow(touch start x - touch x, 2) + Math.pow(touch start y -
```

```
public void onProgressChanged(SeekBar seekBar,
                        popDialog.setPositiveButton("OK", new
DialogInterface.OnClickListener()
```

```
paint.setStyle(Paint.Style.FILL);
```

```
(float) shape.get(3), (float) shape.get(4), paint);
                } catch (ClassCastException e) {
```

```
paint_stroke_width, 1);
```

```
canvas.drawBitmap(bitmap, 0, height percent * 10, paint);
case MotionEvent.ACTION MOVE:
case MotionEvent.ACTION UP:
```

Screenshot



