PRACTICAL 2

AIM: Develop an android application that uses GUI components, fonts and colors.

CODE:

MainActivity.java

package com.example.firstandroidproject;

import android.os.Bundle;

import androidx.appcompat.app.AppCompatActivity;

import com.example.firstandroidproject.databinding.ActivityMainBinding;

import android.view.Menu;

import android.view.MenuItem;

public class MainActivity extends AppCompatActivity {

private ActivityMainBinding binding;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

binding = ActivityMainBinding.inflate(getLayoutInflater());

setContentView(binding.getRoot());

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

getMenuInflater().inflate(R.menu.menu\_main, menu);

return true;

}

@Override

public boolean onOptionsItemSelected(MenuItem item) {

int id = item.getItemId();

if (id == R.id.action\_settings) {

return true;

}

return super.onOptionsItemSelected(item);

}

}

activity\_main.xml

<?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:id="@+id/coordinatorLayout"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:fitsSystemWindows="true"

tools:context=".MainActivity">

<TextView

android:id="@+id/textView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:fontFamily="cursive"

android:text="@string/Text\_View\_Text"

android:textAlignment="center"

android:textColor="#1449B4"

android:textSize="60sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.498"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.203" />

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="60dp"

android:shadowColor="@color/black"

android:text="@string/getBitcoin"

android:textColorLink="#B82D2D"

android:textSize="48sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.495"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/textView"

app:layout\_constraintVertical\_bias="0.491"

app:rippleColor="@color/black" />

<ImageView

android:id="@+id/imageView2"

android:layout\_width="171dp"

android:layout\_height="125dp"

android:layout\_marginTop="52dp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/textView"

app:srcCompat="@drawable/bitcoin" />

</androidx.constraintlayout.widget.ConstraintLayout>

OUTPUT:

