

**Total Points: 10**

**Submission Instructions:**

- Submit the project source code and description file in a compressed file on Moodle. You may write your explanation in T<sub>E</sub>X. A scanned copy of solutions (in PDF, any other format == rejected) in your own handwriting is sufficient if its legible and taken using a proper scanner. ***It's your responsibility to make the scanned copy legible. Illegible copies will not be evaluated.***
- Submission deadline is **6.07.2018 23:55**.

## **1 Project Description**

The test.apk includes the below code as the MainActivity of this application. By default, the button (b1) in the app is configured to (in the activity main.xml) invoke the onClick 1 function. Use Apktool to edit this application such that the button now invokes the onClick 2 function.

### **1.1 Code in Test.apk**

```
public class MainActivity extends AppCompatActivity {
    private Button b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1 = (Button) findViewById(R.id.button);
    }
    public void onClick_1(View v){
        Log.d("TAG", "Inside_onclik_1");
        Context context = getApplicationContext();
        CharSequence text = "Inside_onclik_1!";
        int duration = Toast.LENGTH_SHORT;
        Toast toast = Toast.makeText(context, text, duration);
        toast.show();
    }
    public void onClick_2(View v){
        Log.d("TAG", "Inside_onclik_1");
        Context context = getApplicationContext();
        CharSequence text = "Inside_onclik_2!";
        int duration = Toast.LENGTH_SHORT;
```

```
        Toast toast = Toast.makeText(context, text, duration);
        toast.show();
    }
}
```

## **2 Disclaimer**

The information provided is to be used for educational purposes only. The author is in no way responsible for any misuse of the information provided.