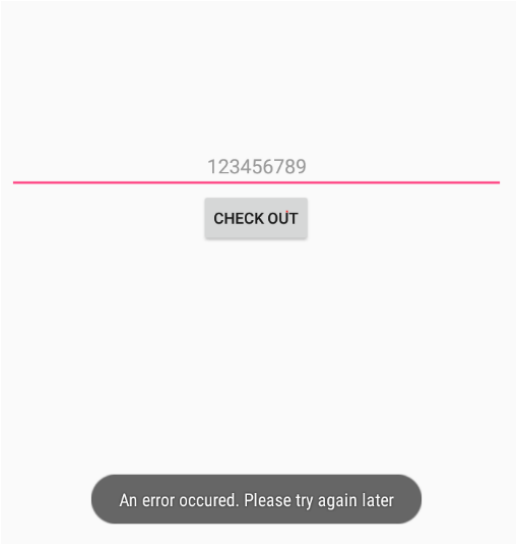
Insecure Logging

1. The objective of this lab is to find out what is being logged where/how and the vulnerable code.
2. After decompilation of the apk file, I get the code of this lab.

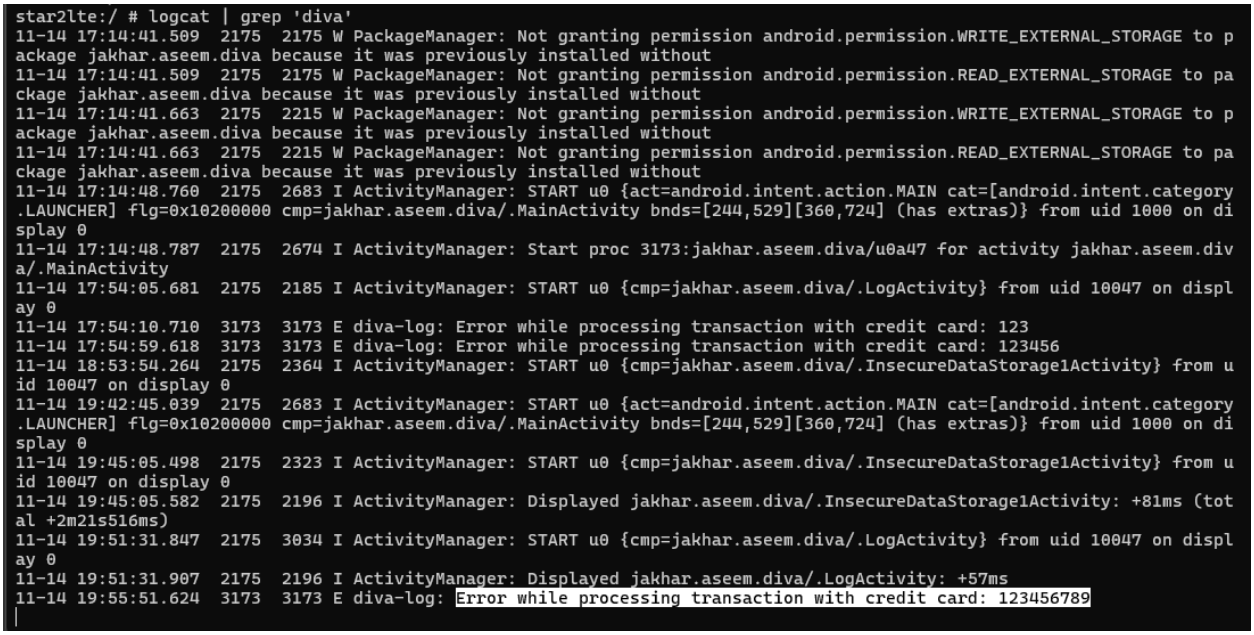
```
public void checkout(View view) {
    EditText cctxt = (EditText) findViewById(R.id.ccText);
    try {
        processCC(cctxt.getText().toString());
    } catch (RuntimeException e) {
        Log.e("diva-log", "Error while processing transaction with credit card: " + cctxt.getText().toString());
        Toast.makeText(this, "An error occured. Please try again later", 0).show();
    }
}

private void processCC(String ccstr) {
    RuntimeException e = new RuntimeException();
    throw e;
}
```

3. The main issue is that the credit card number logged in plain text. So, if anyone can read the logs, he will be able to read the credit card number easily. Let's try to read it from logs.
4. I entered the credit card number in the application.



5. Let's observe the logs.



6. I already get the credit card number from logs.