

Félix Garrote

# INSECUREBANK2

## Ejercicio1

```
root@kali: /home/kali/Downloads/InsecureBankv2
ls
AndroidManifest.xml  apktool.yml  original  res  smali

root@kali: /home/kali/Downloads/InsecureBankv2# grep permission more AndroidManifest.xml
<uses-permission android:name="android.permission.INTERNET"></uses-permission>
<uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE"></uses-permission>
<uses-permission android:name="android.permission.SEND_SMS"></uses-permission>
<uses-permission android:name="android.permission.USE_CREDENTIALS"></uses-permission>
<uses-permission android:name="android.permission.GET_ACCOUNTS"></uses-permission>
<uses-permission android:name="android.permission.READ_PROFILE"></uses-permission>
<uses-permission android:name="android.permission.READ_CONTACTS"></uses-permission>
<uses-permission android:name="android.permission.READ_PHONE_STATE"></uses-permission>
<uses-permission android:name="android.permission.ACCESS_NETWORK_STATE"></uses-permission>
<uses-permission android:maxSdkVersion="18" android:name="android.permission.READ_EXTERNAL_STORAGE"></uses-permission>
<uses-permission android:name="android.permission.READ_CALL_LOG"></uses-permission>
<uses-permission android:name="android.permission.ACCESS_NOTIFICATION_STATE"></uses-permission>
<uses-permission android:name="android.permission.ACCESS_COARSE_LOCATION"></uses-permission>

root@kali: /home/kali/Downloads/InsecureBankv2#

```

```
1 Lcom/google/android/gms/analytics/internal/zzhz:→zzb(JLjava/net/URL;)I (0x1a) → Jjava/net/URLConnection;→connect(I)V
1 Lcom/google/android/gms/analytics/internal/zzhz:→zzb(JLjava/net/URL;)BI (0x4) → Jjava/net/URLConnection;→connect(I)V
1 Lcom/google/android/gms/analytics/internal/zzhz:→zzc(Ljava/lang/String;)V (0x4) → Jjava/lang/String;V (0x4) → Lorg/apache/http/impl/client/DefaultHttpClient;→<init>(J)V
1 Lcom/google/insecurebankv2/DologinRequestTask:→postdata(Ljava/lang/String;)V (0x4) → Lorg/apache/http/impl/client/DefaultHttpClient;→<init>(J)V
1 Lcom/google/insecurebankv2/DoTransferRequestTask:→doInBackground(Ljava/lang/String;)Ljava/lang/String; (0x0) → Lorg/apache/http/impl/client/DefaultHttpClient;→<init>(J)V
1 Lcom/google/insecurebankv2/DoTransferRequestTask:→doInBackground(Ljava/lang/String;)Ljava/lang/String; (0x10) → Lorg/apache/http/impl/client/DefaultHttpClient;→<init>(J)V
1 Lcom/google/android/gms/internal/zziq:→zzaF(Lorg/apache/http/client/HttpTpcClient; (0x1e) → Lorg/apache/http/impl/client/DefaultHttpClient;→<init>(J)Lorg/apache/http/params/HttpParams;V
1 Lcom/google/android/gms/tagsmanager/zzyb:→<init>(Lcom/google/android/gms/tagsmanager/zzyb; Landroid/content/Context; Ljava/lang/String; JV (0x44) → Lorg/apache/http/impl/client/DefaultHttpClient;→<init>(J)V
1 Lcom/google/android/gms/internal/zziq:→zzd(Ljava/lang/String;)Z (0x3c) → Jjava/net/URL;→openConnection(JLjava/net/URLConnection;
1 Lcom/google/android/gms/internal/zziq:→zzd(Ljava/lang/String;)Lcom/google/android/gms/internal/zziq$z;Lcom/google/android/gms/internal/zziq$z; (0x4) → Jjava/net/URL;→openConnection(JLjava/net/URLConnection;
1 Lcom/google/android/gms/internal/zzip:→zzdp(JV (0x3e) → Jjava/net/URL;→openConnection(JLjava/net/URLConnection;
1 Lcom/google/android/gms/internal/zziq:→zzrfe(Ljava/lang/String;)Lcom/google/android/gms/internal/zziq$z; (0xe) → Jjava/net/URL;→openConnection(JLjava/net/URLConnection;
1 Lcom/google/android/gms/internal/zziq:→zzz(Ljava/net/URL;)Ljava/net/URL; (0x4) → Jjava/net/URL;→openConnection(JLjava/net/URLConnection;
1 Lcom/google/android/gms/maps/model/UrlTileProvider:→getTile(I I I)Lcom/google/android/gms/maps/model/Tile; (0x1e) → Jjava/net/URL;→openStream(Ljava/io/InputStream;
1 Lcom/google/android/gms/analytics/internal/zziq:→zzc(Ljava/net/URL;)Ljava/net/URLConnection; (0x2) → Jjava/net/URL;→openConnection(JLjava/net/URLConnection;
1 Lcom/google/android/gms/internal/zziq:→zzz(Ljava/net/URL;)Lcom/google/android/gms/internal/request/AdResponseInfoParcel; Landroid/content/Context; Ljava/lang/String; Ljava/lang/String; Ljava/lang/String; Lcom/google/android/gm
v/internal/zziq;)Lcom/google/android/gms/ads/internal/request/AdResponseParcel; (0x4e) → Jjava/net/URL;→openConnection(JLjava/net/URLConnection;
1 Lcom/google/android/gms/internal/zziq:→zzd(Ljava/lang/String;)Z (0x28) → Jjava/net/URLConnection;→getInputStream(Ljava/io/InputStream;
1 Lcom/google/android/gms/ads/AdActivity:→setContentView(IJV (0x4) → Landroid/app/Activity;→setContentView(I)V
1 Lcom/google/android/gms/internal/zzihi:→zzt(Landroid/content/Context; Ljava/lang/String; (0x4) → Landroid/webkit/WebView;→<init>(Landroid/content/Context;JV
1 Lcom/google/android/gms/internal/zzihi:→nonCreateWindow(Landroid/webkit/webview; Z Landroid/os/Message;Z (0x14) → Landroid/webkit/webview;→<init>(Landroid/content/Context;JV
1 Lcom/google/android/gms/internal/zzihi:→zzt(Ljava/net/URL;)Lcom/google/android/gms/internal/zzihi$z; (0x4) → Landroid/webkit/webview;→<init>(Landroid/content/Context;JV
1 Lcom/google/android/gms/internal/zziq:→<init>(Lcom/google/android/gms/internal/zziq$z; Lcom/google/android/gms/ads/internal/AdSizeParcel; Z Z Lcom/google/android/gms/internal/zzihi; Lcom/google/android/gms/ads/internal/Util/I
lient.VersionInfoParcel;JV (0x6) → Landroid/webkit/WebView;→<init>(Landroid/content/Context;JV
```

La lista de permisos de obtiene en el manifest de la aplicación:

INTERNET

**WRITE\_EXTERNAL\_STORAGE (NO FIGURA EN ANDROLIZE)**

SEND\_SMS

USE\_CREDENTIALS

## GET\_ACCOUNTS (NO FIGURA EN ANDROLIZE)

**READ\_PROFILE (NO FIGURA EN ANDROLIZE)**

READ\_CONTACTS

READ PHONE STATE

READ EXTERNAL STORAGE (NO FIGURA EN ANDROLIZE)

READ CALL LOG (NO FIGURA EN ANDROLIZE)

### ACCESS\_COARSE\_LOCATION (NO FIGURA EN ANDROLIZE)

## ACCESS NETWORK LOCATION

## Ejercicio2

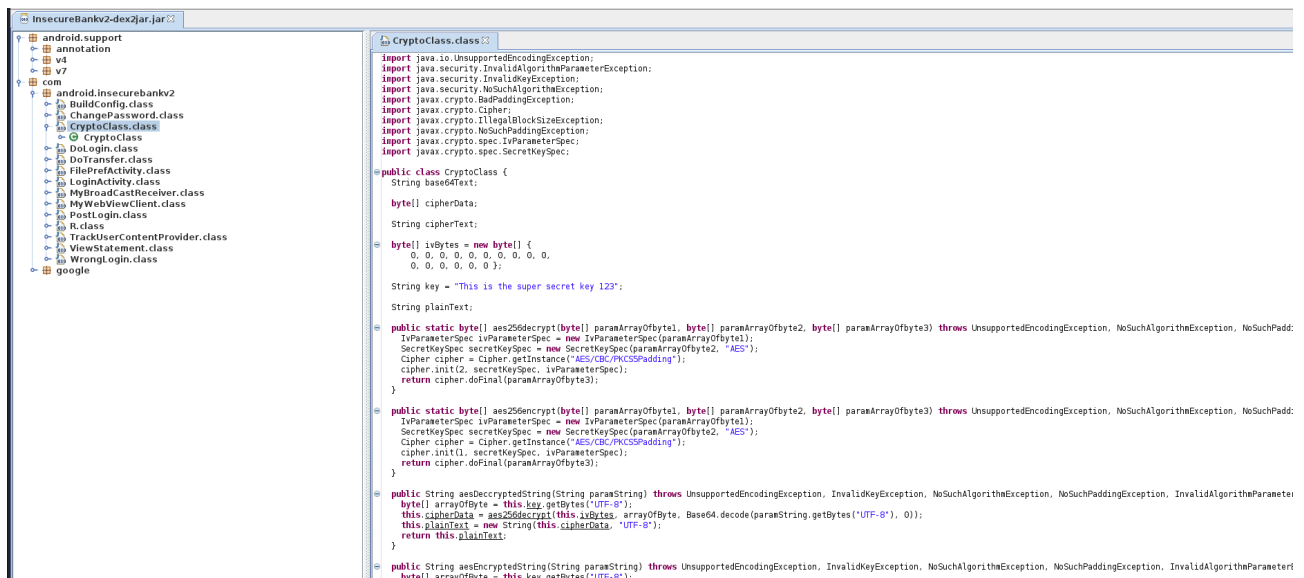
En el almacenamiento externo se guardan los datos de las transferencias

```
Statements_jack.html
root@generic_x86:/sdcard # more Statements_jack.html

Message:Success From:999999999 To:555555555 Amount:1
<hr>
Message:Success From:999999999 To:555555555 Amount:1
<hr>
Message:Success From:999999999 To:555555555 Amount:1
<hr>
Message:Success From:999999999 To:555555555 Amount:1
<hr>
Message:Success From:999999999 To:555555555 Amount:1
<hr>
Message:Success From:999999999 To:555555555 Amount:1
<hr>
Message:Success From:999999999 To:555555555 Amount:1
<hr>
```

En el CryptoClass

```
String key = "This is the super secret key 123";
```



# Ejercicio3

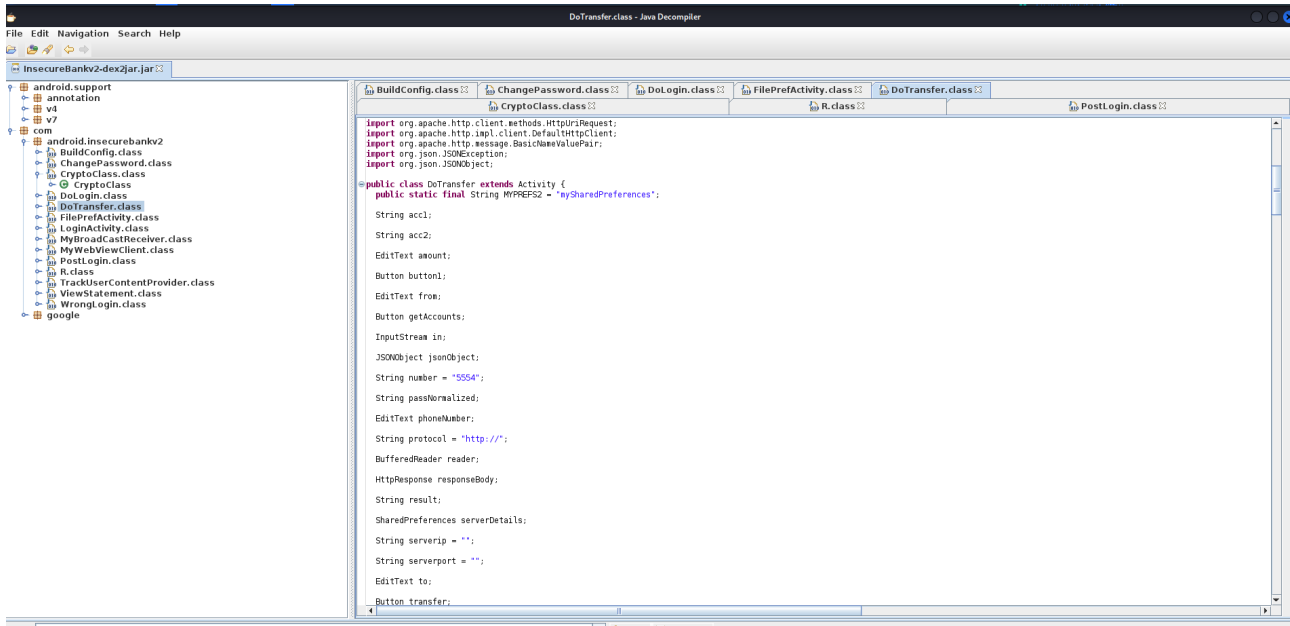
## ChangePassword.class

```
File Edit Navigation Search Help
InsecureBankv2-dex2jar.jar
android.support
  annotation
  v4
  v7
com
  android.insecurebankv2
    BuildConfig.class
    ChangePassword.class
    CryptoClass.class
    DoLogin.class
    DoTransfer.class
    FilePrefActivity.class
    LoginActivity.class
    MyBroadcastReceiver.class
    MyWebViewClient.class
    PostLogin.class
    R.class
    TrackUserContentProvider.class
    ViewStatement.class
    WrongLogin.class
    google
CryptoClass.class
R.class
PostLogin.class
BuildConfig.class
ChangePassword.class
public class ChangePassword extends Activity {
    private static final String PASSWORD_PATTERN = "(?=[a-zA-Z]{6,20})";
    Button changePassword_button;
    EditText changePassword_text;
    private Matcher matcher;
    private Pattern pattern;
    String protocol = "http://";
    BufferedReader reader;
    String result;
    SharedPreferences serverDetails;
```

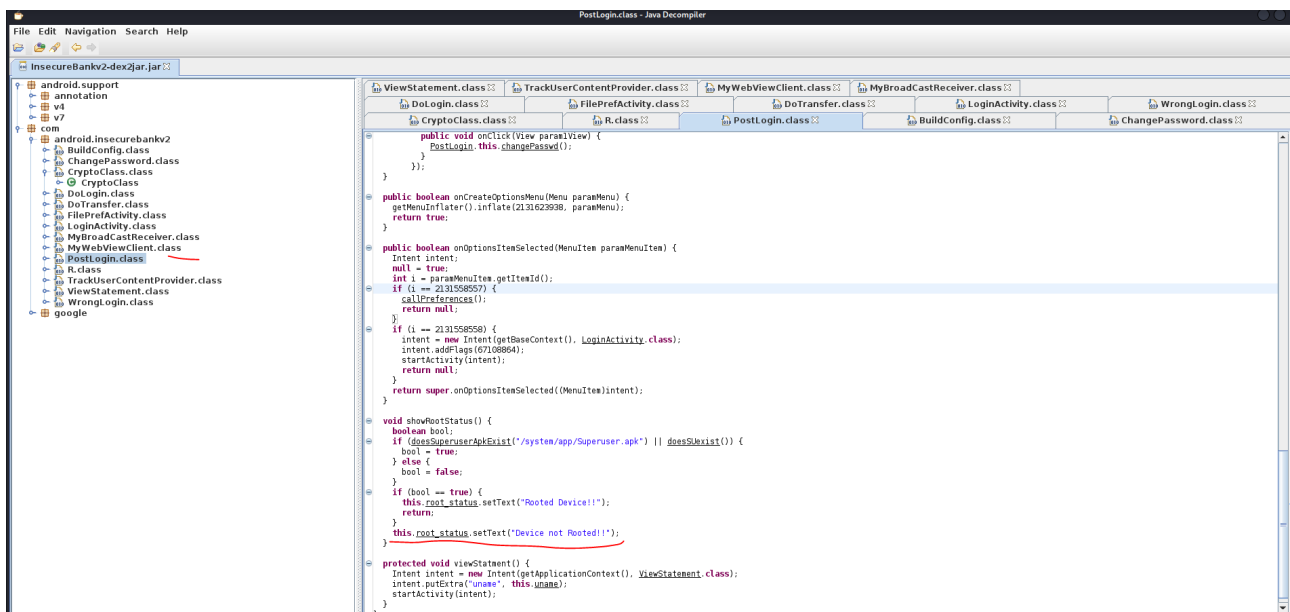
## DoLogin.class

```
InsecureBankv2-dex2jar.jar
android.support
  annotation
  v4
  v7
com
  android.insecurebankv2
    BuildConfig.class
    ChangePassword.class
    CryptoClass.class
    DoLogin.class
    DoTransfer.class
    FilePrefActivity.class
    LoginActivity.class
    MyBroadcastReceiver.class
    MyWebViewClient.class
    PostLogin.class
    R.class
    TrackUserContentProvider.class
    ViewStatement.class
    WrongLogin.class
    google
CryptoClass.class
R.class
PostLogin.class
BuildConfig.class
ChangePassword.class
DoLogin.class
public class DoLogin extends Activity {
    public static final String MY_PREFS = "mySharedPreferences";
    String password;
    String protocol = "http://";
    BufferedReader reader;
    String rememberme_password;
    String rememberme_username;
    String rememberme_token = null;
```

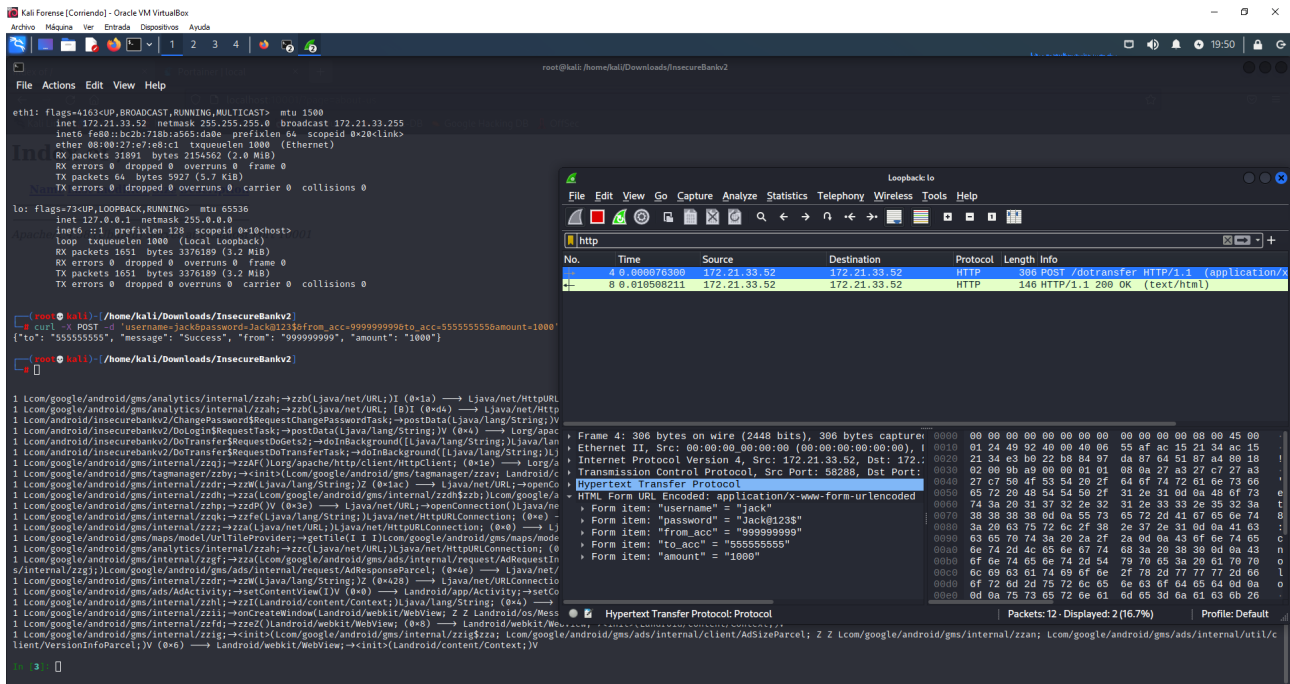
# DoTransfer.class



## Ejercicio4

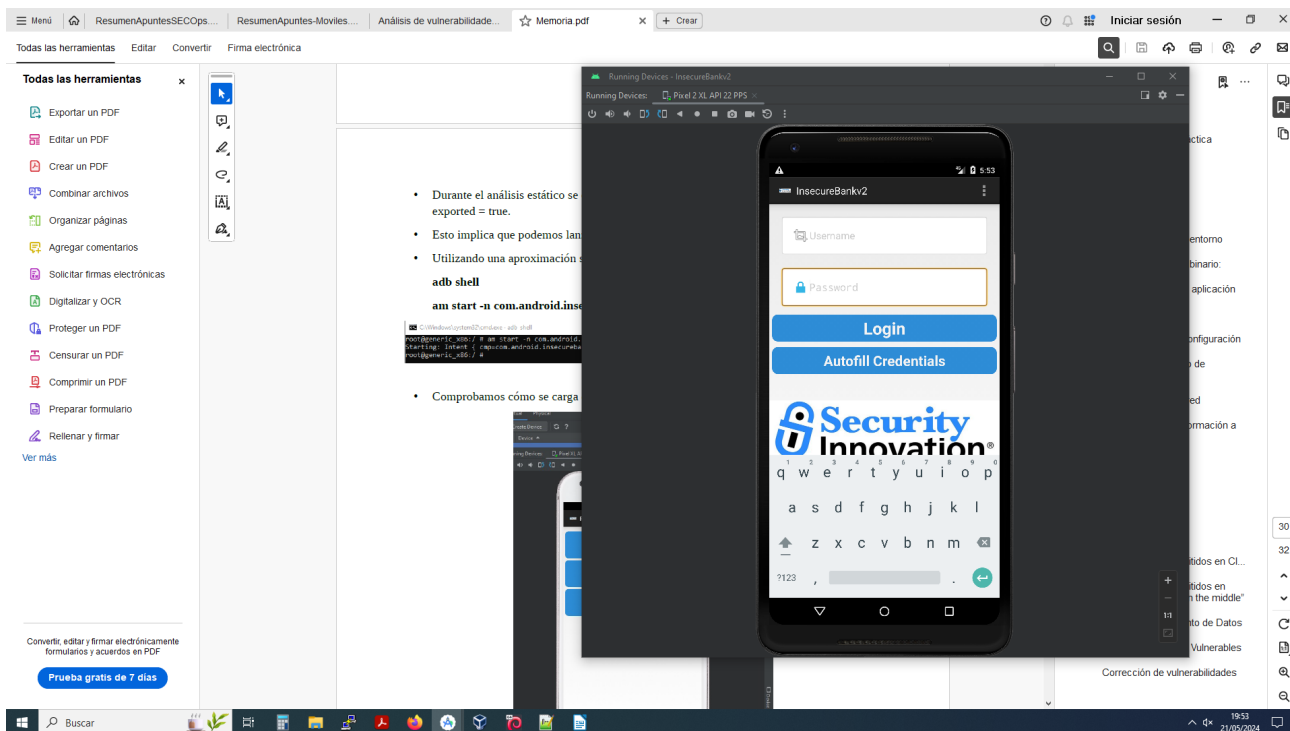


# Ejercicio7

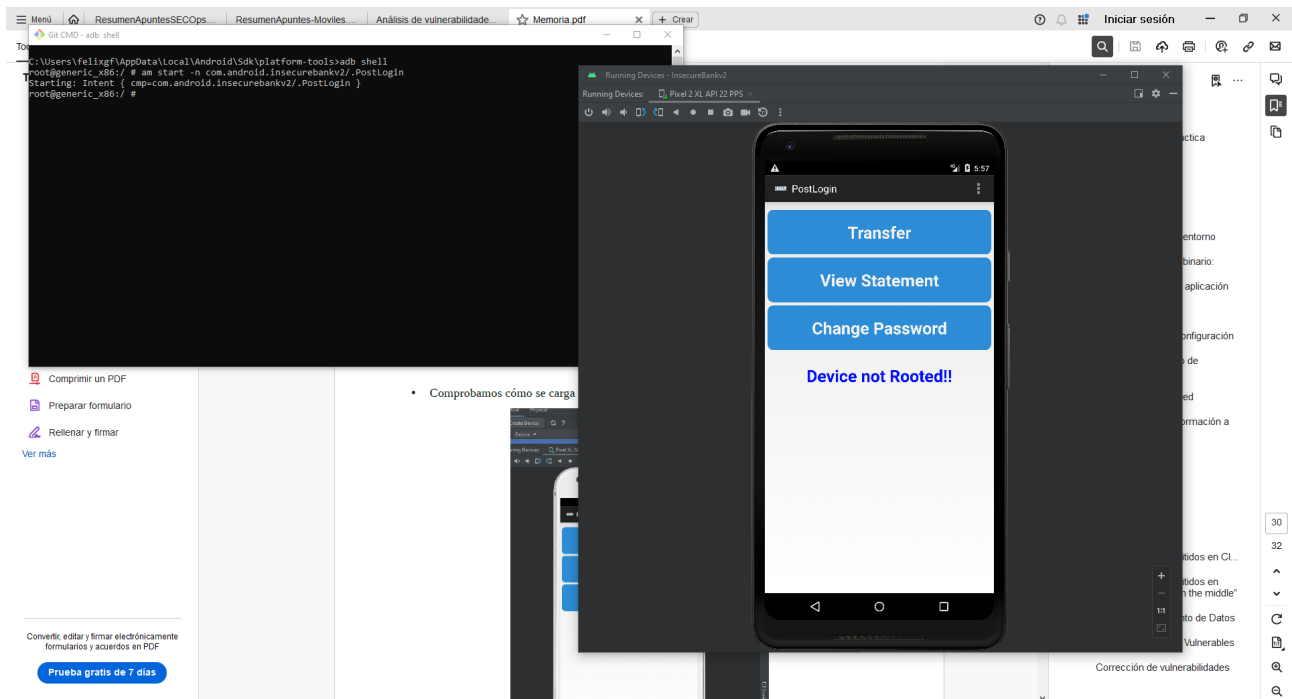


# Ejercicio8

Partimos de una situación de la aplicación sin estar logueada



Entramos en la ruta donde está el adb  
y ejecutamos el comando para logearnos



## Ejercicio10

En la aplicación se hace uso indebido del almacenamiento por ejemplo en la ruta /sdcard se usa para guardar los datos de las trasferencias en el fichero Statements\_jack.html

```
show_Paths(d, dx.tainted_packages.search_methods(".", "getExternalFilesDir", "."))
show_Paths(d, dx.tainted_packages.search_methods(".", "getExternalStorageDirectory", "."))
```

```
1 Android/support/v4/content/ContextCompatFroyo->getExternalFilesDir(Landroid/content/Context; Ljava/lang/String;)Ljava/io/File; (0x0) -> Android/content/Context->getExternalFilesDir(Ljava/lang/String;)Ljava/io/File;
1 Android/support/v4/content/ContextCompatKitKat->getExternalFilesDir(Landroid/content/Context; Ljava/lang/String;)Ljava/io/File; (0x0) -> Android/content/Context->getExternalFilesDir(Ljava/lang/String;)Ljava/io/File;
1 Android/support/v4/content/ContextCompat->getExternalFilesDir(Landroid/content/Context; Ljava/lang/String;)Ljava/io/File; (0x22) -> Android/support/v4/content/ContextCompatFroyo->getExternalFilesDir(Landroid/content/Context; Ljava/lang/String;)Ljava/io/File;
1 Android/support/v4/content/ContextCompat->getExternalFilesDir(Landroid/content/Context; Ljava/lang/String;)Ljava/io/File; (0x10) -> Android/support/v4/content/ContextCompatKitKat->getExternalFilesDir(Landroid/content/Context; Ljava/lang/String;)Ljava/io/File;
```

Comprobando el código de ViewStatement.

```
if (var3.exists()) {
    WebView var4 = (WebView) this.findViewById(2131558530);
    var4.loadUrl("file://" + Environment.getExternalStorageDirectory() + "/Statements_" + this.uname + ".html");
    var4.getSettings().setJavaScriptEnabled(true);
    var4.getSettings().setSaveFormData(true);
    var4.getSettings().setBuiltInZoomControls(true);
    var4.setWebViewClient(new MyWebViewClient());
    var4.setWebChromeClient(new WebChromeClient());
} else {
    this.startActivity(new Intent(this, PostLogin.class));
    Toast.makeText(this, "Statement does not exist!", 1).show();
}
```

Estos serían los pasos a seguir

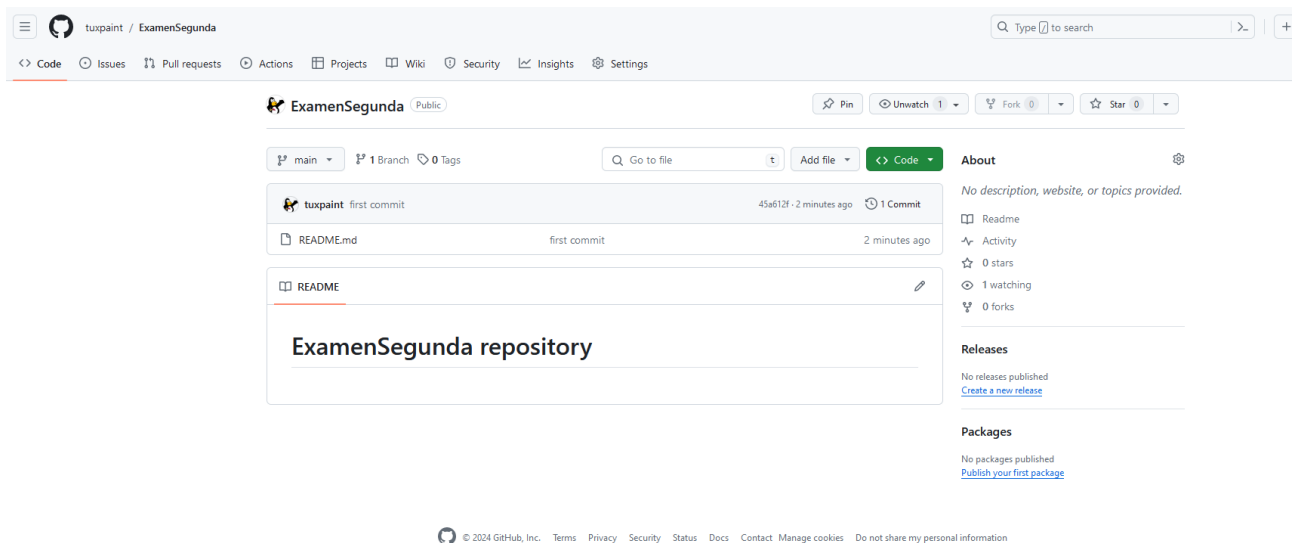
Implementar cifrado de datos y almacenamiento seguro para proteger información sensible.

**Evitar modos inseguros:** No usar modos de almacenamiento como WRITEABLE o READABLE para datos sensibles.

**Almacenamiento interno y cifrado:** Utilizar almacenamiento interno del dispositivo y cifrar cada archivo individualmente, especialmente en versiones de Android 7+.

**Evitar almacenamiento externo:** No almacenar datos sensibles en almacenamiento externo, ya que es más vulnerable.

# GIT



```

(root@kali)-[~kali/ExamenSegunda]
# history | grep git
113 mkdir github
114 cd github
115 git clone https://github.com/komljen/dockerfile-examples.git
119 apt-get install git
121 mkdir github
124 git init
126 git add .
127 git commit -m "Primer commit: Añadido README"
128 git config --global user.email tuxpaint@protonmail.com
129 git config --global user.name tuxpaint
130 git remote add origin https://github.com/tuxpaint/ExamenSegunda.git
131 git branch -M main
132 git push -u origin main
135 git add README.md
136 git push -u origin main
142 git status
143 git commit -m "first commit"
144 git push -u origin main

(root@kali)-[~kali/ExamenSegunda]
#

```

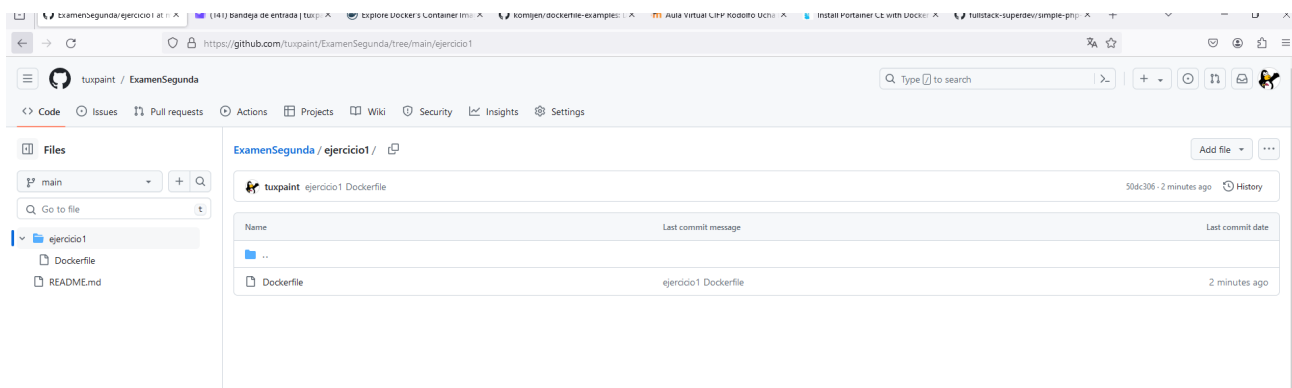
Subimos el primer ejercicio de docker

```

(root@kali)-[~kali/ExamenSegunda/ejercicio1]
# git push -u origin main
Username for 'https://github.com': tuxpaint@protonmail.com
Password for 'https://tuxpaint@protonmail.com@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 652 bytes | 652.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/tuxpaint/ExamenSegunda.git
 45a612f..50dc306  main -> main
branch 'main' set up to track 'origin/main'.

(root@kali)-[~kali/ExamenSegunda/ejercicio1]
#

```



Subimos el script



```
(root@kali)-[~kali/ExamenSegunda/ejercicio2]
# git add createDockers.sh

(root@kali)-[~kali/ExamenSegunda/ejercicio2]
# git commit -m "ejercicio2 script"
[main 3ef99c2] ejercicio2 script
1 file changed, 8 insertions(+)
create mode 100755 ejercicio2/createDockers.sh

(root@kali)-[~kali/ExamenSegunda/ejercicio2]
# git push -u origin main
Username for 'https://github.com': tuxpaint@protonmail.com
Password for 'https://tuxpaint@protonmail.com@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 489 bytes | 489.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/tuxpaint/ExamenSegunda.git
50dc306..3ef99c2 main -> main
branch 'main' set up to track 'origin/main'.

(root@kali)-[~kali/ExamenSegunda/ejercicio2]
#
```

The screenshot shows the GitHub web interface for the repository 'ExamenSegunda' by user 'tuxpaint'. The left sidebar shows the file tree with 'ejercicio2' selected, containing 'createDockers.sh' and 'README.md'. The main area displays the commit history for 'ejercicio2 script'.

Name	Last commit message	Last commit date
..		
createDockers.sh	ejercicio2 script	2 minutes ago

# DOCKER

## Ejercicio1

## Creamos el Dockerfile

```
(root@kali)~[~kali/ExamenSegunda/ejercicio1]
# more Dockerfile
# Usa una imagen base de Ubuntu
FROM ubuntu:latest
# Instala Apache y PHP
RUN apt-get update && \
apt-get install -y apache2 php libapache2-mod-php git && \
rm -rf /var/lib/apt/lists/*
# Exponer el puerto 80 para Apache
EXPOSE 80
# Copia la aplicación web PHP al directorio de Apache
RUN rm -rf /var/www/html/*
RUN git clone https://github.com/fullstack-superdev/simple-php-website/var/www/html/
# CMD predeterminado para el contenedor
CMD ["apache2ctl", "-D", "FOREGROUND"]
```

## Creamos la imagen

```
[root@kali]~#kali/ExamenSegunda/ejercicio1
└─$ sudo docker build -t mi-aplicacion1-php .
[+] Building 3.0s (6/8) FINISHED
    => [internal] load build definition from Dockerfile
    => [internal] transferring Dockerfile: 505B
    => [internal] load metadata for docker.io/library/ubuntu:latest
    => [internal] load .dockerignore
    => [internal] transferring context: 2B
    => [1/4] FROM docker.io/library/ubuntu:latest@sha256:3f85b7caad419a562cf5b787d8a4604c8262cddf9a472b8c52ef83375fe15
    => CACHED [2/4] RUN apt-get update && apt-get install -y apache2 php libapache2-mod-php git && rm -rf /var/lib/apt/lists/*
    => CACHED [3/4] RUN rm -rf /var/www/html/*
    => [4/4] RUN git clone https://github.com/fullstack-superdev/simple-php-website.git
    => exporting to image
    => exporting layers
    => writing image sha256:227712855570d0472aa2bbc25dc7f99cf9044fcd801d86666bc95f2262471
    => naming to docker.io/library/mi-aplicacion1-php

[root@kali]~#kali/ExamenSegunda/ejercicio1
└─$ docker images
REPOSITORY          TAG         IMAGE ID      CREATED       SIZE
mi-aplicacion1-php  latest      227712855570  16 seconds ago 235MB
hello-world         latest     d2c94e258dc8  12 months ago 13.3kB

[root@kali]~#kali/ExamenSegunda/ejercicio1
```

## Creamos un contenedor

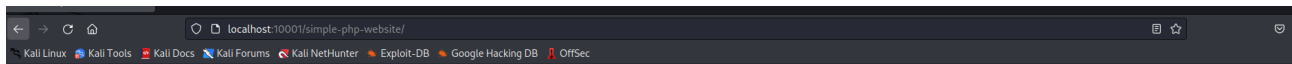
```
(root@kali)~[~kali/ExamenSegunda/ejercicio1]
# sudo docker run -d -p 10001:80 --name mi-contenedor1-php mi-aplicacion1-php
2666f137eb1e2795823b8286a86c76fd24cf31ec514cf88d841376f94f5ac24

(root@kali)~[~kali/ExamenSegunda/ejercicio1]
# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
2666f137eb1e	mi-aplicacion1-php	"apache2ctl -D FOREG..."	3 seconds ago	Up 3 seconds	0.0.0.0:10001->80/tcp, :::10001->80/tcp	mi-contenedor1-php

```
(root@kali)~[~kali/ExamenSegunda/ejercicio1]
#
```

## Comprobamos que funciona



## Simple PHP Website

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### Home

This is **home** page. Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).

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v3.1

```
(root@kali)-[~kali/ExamenSegunda/ejercicio1]
# docker stop 2666f137eb1e
2666f137eb1e

(root@kali)-[~kali/ExamenSegunda/ejercicio1]
# docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS        NAMES
598fcce1b093   hello-world "/hello"                25 hours ago   Exited (0) 25 hours ago           zealous_pare

(root@kali)-[~kali/ExamenSegunda/ejercicio1]
# docker rm 2666f137eb1e
2666f137eb1e

(root@kali)-[~kali/ExamenSegunda/ejercicio1]
# docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS        NAMES
598fcce1b093   hello-world "/hello"                25 hours ago   Exited (0) 25 hours ago           zealous_pare

(root@kali)-[~kali/ExamenSegunda/ejercicio1]
#
```

Creamos script para creacion de dockers

```

(root@kali)-[/home/kali/ExamenSegunda/ejercicio2]
# chmod +x createDockers.sh
(root@kali)-[/home/kali/ExamenSegunda/ejercicio2]
# more createDockers.sh
#!/bin/bash
port=10000
for i in 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20; do
port=$((port+1))
echo $port
echo $i
docker run -d -p $port:80 mi-aplicacion1-php
done
(root@kali)-[/home/kali/ExamenSegunda/ejercicio2]
# sh createDockers.sh
10001
1
9679b02c6c76fd86a2bc7d23c8821377ac6633b5ee43c55eedc69b3eef8172b9e
10002
2
ead7e2eb701849a1ba7b16ea75909f8e511c8967b2f5dda3b2307ec7ae0e6b19
10003
3
399e50d4cadee07340a0af30ebdc521c025c50de189e30bdd7c6364ab93fff15
10004
4
8b75238c6434d5674c28d8a30272a8f962286878e39e74d9034d7ac5fbb25daa
10005
5
7ffba957250495823b7882d051270ec23edf2d7bfe80b9d7834ea31fe85e807a
10006
6
bd97dc6cea4996cb7414149c8a79b674f83186252d363b01e596b8dbd710a15e
10007
7
c19dde78eee1f622175a41a866b49fd3ba84206d46c7f9427faea71ea7cc8183
10008
8
d8effb0018bdaa2ef88e93509d4ef759850498507ef833b1a32869a8a85657c5
10009
9
8426664047b453b58bc9b04113291d5dbec683ba1b19719fb59a042f62cc5c92
10010
10
3a218ea1fe6e38e875f36a52223c9904376acb32c2086b1543ad258028081f14
10011
11
20b0ef2fa18efb7d42bc2c1e3c7731285a03954f1ead5d2a02d2c9c78b97aad9
10012
12

```

```

(root@kali)-[/home/kali/ExamenSegunda/ejercicio2]
# chmod +x createDockers.sh

(root@kali)-[/home/kali/ExamenSegunda/ejercicio2]
# more createDockers.sh
#!/bin/bash
port=10000
for i in 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20; do
port=$((port+1))
echo $port
echo $i
docker run -d -p $port:80 mi-aplicacion1-php
done

(root@kali)-[/home/kali/ExamenSegunda/ejercicio2]
# sh createDockers.sh
10001
1
9679b02c6c76fd86a2bc7d23c8821377ac6633b5ee43c55eedc69b3eef8172b9
10002
2
ead7e2eb701849a1ba7b16ea75909f8e511c8967b2f5dda3b2307ec7ae0e6b19
10003
3
399e50d4cadee07340a0af30ebdc521c025c50de189e30bdd7c6364ab93fff15
10004
4
8b75238c6434d5674c28d8a30272a8f962286878e39e74d9034d7ac5fbb25daa
10005
5
7ffb957250495823b7882d051270ec23edf2d7bfe80b9d7834ea31fe85e807a
10006
6
bd97dc6cea4996cb7414149c8a79b674f83186252d363b01e596b8dbd710a15e
10007
7
c19dde78eee1f622175a41a866b49fd3ba84206d46c7f9427faea71ea7cc8183
10008
8
d8effb0018bdaa2ef88e93509d4ef759850498507ef833b1a32869a8a85657c5
10009
9
8426664047b453b58bc9b04113291d5dbec683ba1b19719fb59a042f62cc5c92
10010
10
3a218ea1fe6e38e875f36a52223c9904376acb32c2086b1543ad258028081f14
10011
11
20b0ef2fa18efb7d42bc2c1e3c7731285a03954f1ead5d2a02d2c9c78b97aad9
10012
12

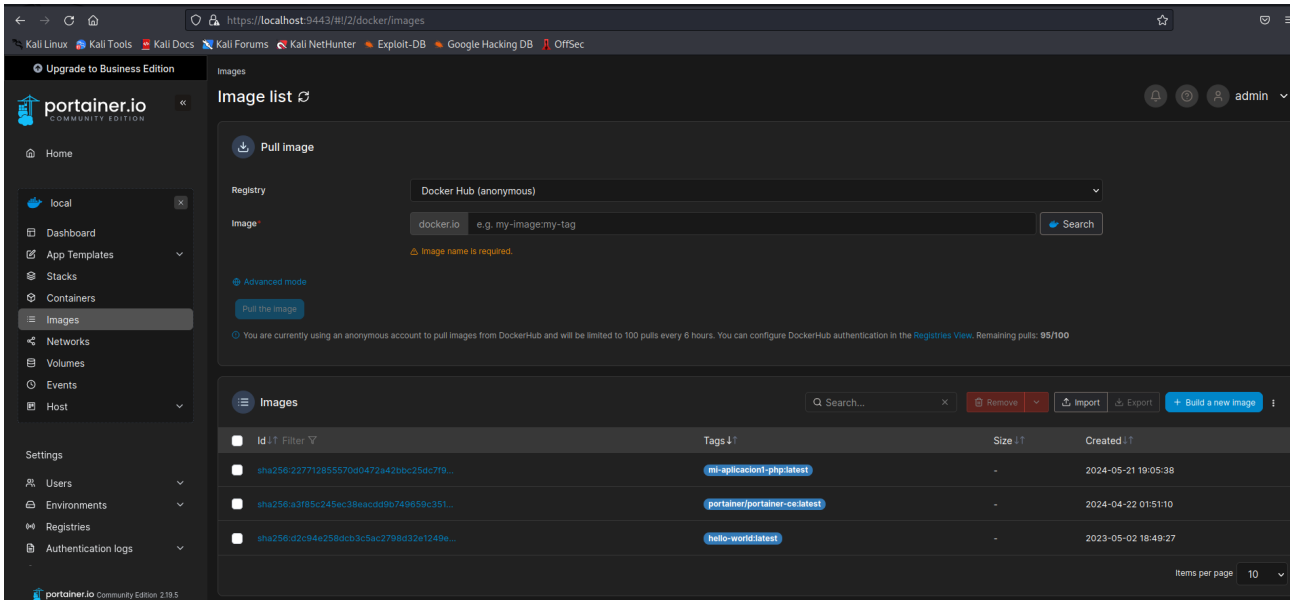
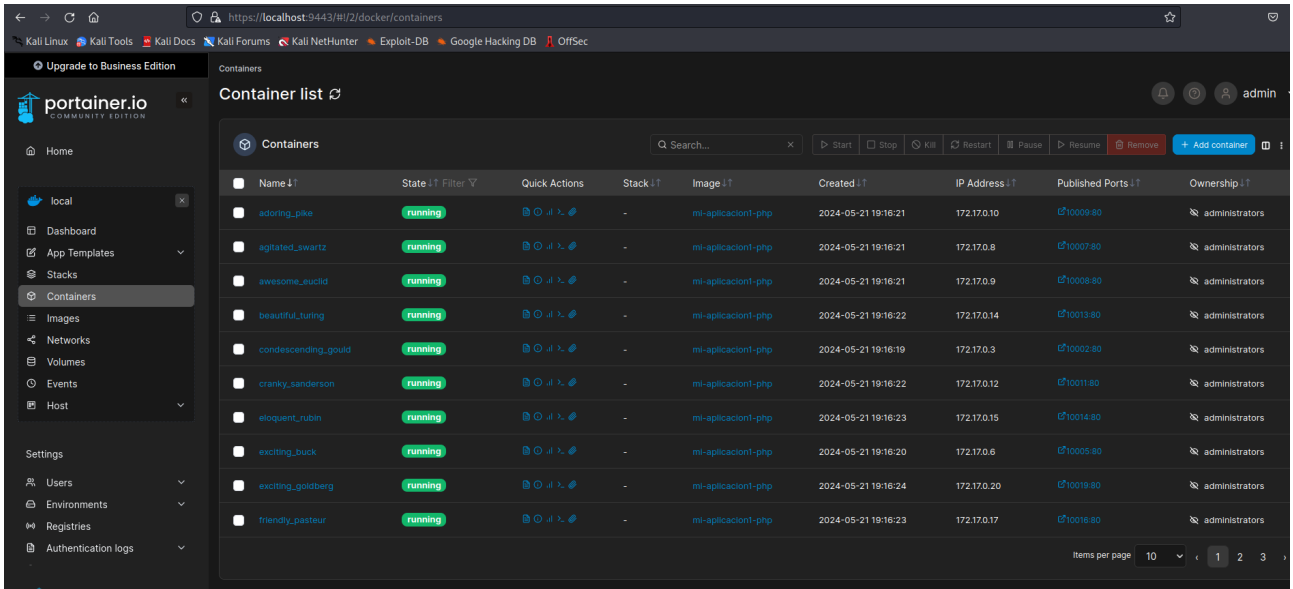
```

```

(root@kali)-[/home/kali/ExamenSegunda/ejercicio2]
# docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS                               NAMES
5db9586a36f6      mi-aplicacion1-php "apache2ctl -D FOREG..." 7 seconds ago       Up 6 seconds        0.0.0.0:10020->80/tcp, :::10020->80/tcp   modest_austin
6a7a7411ed00      mi-aplicacion1-php "apache2ctl -D FOREG..." 7 seconds ago       Up 6 seconds        0.0.0.0:10019->80/tcp, :::10019->80/tcp   exciting_goldberg
c5d63f00d1cd      mi-aplicacion1-php "apache2ctl -D FOREG..." 7 seconds ago       Up 6 seconds        0.0.0.0:10018->80/tcp, :::10018->80/tcp   hungry_hermann
5963477da990      mi-aplicacion1-php "apache2ctl -D FOREG..." 7 seconds ago       Up 7 seconds        0.0.0.0:10017->80/tcp, :::10017->80/tcp   gallant_curran
0f2a7d2dd26c      mi-aplicacion1-php "apache2ctl -D FOREG..." 8 seconds ago       Up 7 seconds        0.0.0.0:10016->80/tcp, :::10016->80/tcp   friendly_pasteur
7804963e84b1      mi-aplicacion1-php "apache2ctl -D FOREG..." 8 seconds ago       Up 7 seconds        0.0.0.0:10015->80/tcp, :::10015->80/tcp   nostalgic_pike
7ba485076a05      mi-aplicacion1-php "apache2ctl -D FOREG..." 8 seconds ago       Up 8 seconds        0.0.0.0:10014->80/tcp, :::10014->80/tcp   eloquent_rubin
8071ba780888      mi-aplicacion1-php "apache2ctl -D FOREG..." 9 seconds ago       Up 8 seconds        0.0.0.0:10013->80/tcp, :::10013->80/tcp   beautiful_turing
feb95661588b      mi-aplicacion1-php "apache2ctl -D FOREG..." 9 seconds ago       Up 8 seconds        0.0.0.0:10012->80/tcp, :::10012->80/tcp   keen_franklin
20b0ef2fa18e      mi-aplicacion1-php "apache2ctl -D FOREG..." 9 seconds ago       Up 8 seconds        0.0.0.0:10011->80/tcp, :::10011->80/tcp   cranky_sanderson
3a218ea1fe6e      mi-aplicacion1-php "apache2ctl -D FOREG..." 10 seconds ago      Up 9 seconds        0.0.0.0:10010->80/tcp, :::10010->80/tcp   quizzical_fermat
8426664047b4      mi-aplicacion1-php "apache2ctl -D FOREG..." 10 seconds ago      Up 9 seconds        0.0.0.0:10009->80/tcp, :::10009->80/tcp   adoring_pike
d8effb0018bd      mi-aplicacion1-php "apache2ctl -D FOREG..." 10 seconds ago      Up 9 seconds        0.0.0.0:10008->80/tcp, :::10008->80/tcp   awesome_euclid
c19dde78eee1      mi-aplicacion1-php "apache2ctl -D FOREG..." 10 seconds ago      Up 10 seconds       0.0.0.0:10007->80/tcp, :::10007->80/tcp   agitated_swartz
bd97dc6cea49      mi-aplicacion1-php "apache2ctl -D FOREG..." 11 seconds ago      Up 10 seconds       0.0.0.0:10006->80/tcp, :::10006->80/tcp   zealous_kare
7ffb9572504      mi-aplicacion1-php "apache2ctl -D FOREG..." 11 seconds ago      Up 10 seconds       0.0.0.0:10005->80/tcp, :::10005->80/tcp   exciting_buck
8b75238c6434      mi-aplicacion1-php "apache2ctl -D FOREG..." 11 seconds ago      Up 11 seconds       0.0.0.0:10004->80/tcp, :::10004->80/tcp   funny_allen
399e50d4cadecad      mi-aplicacion1-php "apache2ctl -D FOREG..." 12 seconds ago      Up 11 seconds       0.0.0.0:10003->80/tcp, :::10003->80/tcp   suspicious_montalcini
ead7e2eb7018      mi-aplicacion1-php "apache2ctl -D FOREG..." 12 seconds ago      Up 11 seconds       0.0.0.0:10002->80/tcp, :::10002->80/tcp   condescending_gould
9679b02c6c76      mi-aplicacion1-php "apache2ctl -D FOREG..." 12 seconds ago      Up 11 seconds       0.0.0.0:10001->80/tcp, :::10001->80/tcp   sharp_kilby

```

## Portainer



```
(kali㉿kali)-[~/Downloads/Android-InsecureBankv2/AndroLabServer]
```

```
$ python2 app.py
```

```
The server is hosted on port: 8888
```

```
u= <User u'jack'>
```

```
{"message": "Correct Credentials", "user": "jack"}
```

```
s
```

```
6a7a7411ed00
```

```
c5d63f00d1cd
```

```
5963477daf90
```

```
0f2a7d2dd26c
```

```
7004963e84b1
```

```
7ba405076405
```

```
80710ba78088
```

```
fe0a5661588b
```

```
20b0ef2fa18e
```

```
3a218ea1fe6e
```

```
8426664047b4
```

```
d8effb0018bd
```

```
c19dde78eee1
```

```
bd97dc6cea49
```

```
7ffba9572504
```

```
8b75238c6434
```

```
399e50d4cade
```

```
ead7e2eb7018
```

```
9679b02c6c76
```

```
(root㉿kali)-[~/kali/ExamenSegunda/ejercicio3]
```

```
# docker ps
```

```
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS              NAMES
```