Lab 5. Reversing and Repacking

• Task 1

(1) Your Answer

POREporePoREpOre

haveagoodtime

Welcome to PoRE

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CLICK

Success! Let's play a game.

(2) Writeup

[Record how you solve this task here.]

```
public class utils {
    public static String getKey() {
        char[] chars=new char[16];
        String str2 = HappyTime.str1;
        char[] res=HappyTime.res;
        for (int i = 0; i < chars.length; i++) {
            chars[i]= (char)(str2.charAt(i % str2.length())^res[i]);
        }
        return new String(chars);
}</pre>
```

```
public class MainAC {
    public static void main(String[] args) {
        String str=utils.getKey();
        System.out.println(str);
    }
}

n: MainAC ×

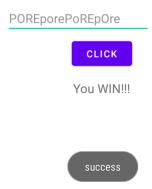
    "D:\Program Files\Java\jdk1.8.0_321\bin\java.exe" ...
POREporePoREpOre
```

• Task 2

(1) Writeup

[Record how you solve this task here.]

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将 if-eqz 改成 if-nez 即可

```
invoke-virtual {p1, v1}, Ljava/lang/String;->equals(Ljava/lang/Object;)Z

move-result p1

const/4 v1, 0x1

if-nez p1, :cond_0

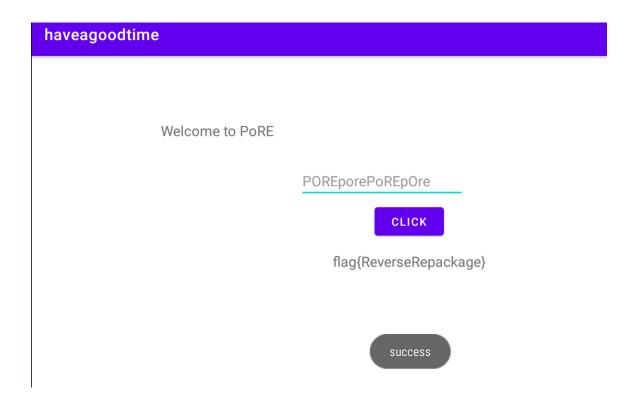
.line 45
invoke-virtual {p0}, Lcom/pore/haveagoodtime/MainActivity;->getApplicationContex

move-result-object p1
```

将 if-eqz 改成 if-nez 即可

```
public void playGame(String str) {
   int nextInt = this.random.nextInt(10000);
   if (!str.equals(String.valueOf(nextInt))) {
        Toast.makeText(getApplicationContext(), "success"
        this.appay = HappyTime count(this appay 0 1);
        this.appay 0 1);
        th
```

- Task3
- (1) Your Answer



(2) Writeup

[Record how you solve this task here.]

在 buttonClick 函数最后的 if 函数中调用 show 函数

```
const-string v0, "You WIN!!!"
invoke-virtual {p1, v0}, Landroid/widget/TextView;->setText(Ljava/lang/CharSequence;)V
.line 73
invoke-virtual {p0}, Lcom/pore/haveagoodtime/MainActivity;->getApplicationContext()Landroid/content
move-result-object p1
const-string v0, "Get the flag by yourself!"
invoke-static {p1, v0, v2}, Landroid/widget/Toast;->makeText(Landroid/content/Context;Ljava/lang/Cl
move-result-object p1
invoke-virtual {p1}, Landroid/widget/Toast;->show()V

invoke-virtual {p0}, Lcom/pore/haveagoodtime/MainActivity;->show()V
:cond_2
return-void
end method
```

```
return;
64
68
         playGame(obj);
         this.hint.setText(String.format("%d / %d", Integer.valueOf(this.times), Integer.valueOf(this.
69
70
         if (this.times == this.total) {
            this.hint.setText("You WIN!!!");
72
            Toast.makeText(getApplicationContext(), "Get the flag by yourself!", 1).show();
73
73
             show();
                                                              □英 ② *, 简 ◎
      }
```