Exercise 0

Many websites keep a user blocklist—a list of users that are blocked from accessing their services.

Use your basic Python knowledge to write a programme for the following three problems. Compare your programme with a model solution presented at the end of this exercise.

Blocked user logo image source: https://commons.wikimedia.org/wiki/File:Blocked_user_PD.svg

A very popular website, www.verypopular.com.sg, keeps its blocklist in a text file, blocklist.txt. In this file, each username occupies a single line, and is unique. Below is the full content of blocklist.txt, which you can download from the course website.

```
captainhook@neverland.com
cleopatra@pharaoh.org
d.vader@empire.net
```

Write a Python programme that imports and prints on the screen the usernames from blocklist.txt. Include an exception handler to catch FileNotFoundError.

Q2. Print Usernames of Blocked Users

Below is the list of visitors to www.verypopular.com.sg today.

```
brucelee@fistoffury.com
d.vader@empire.net
usain.bolt@runnersclub.org
alice@wonderland.co.uk
nero@rome.com
mcurie@radium.com
```

Print on the screen the number of visitors to the website today. From these visitors, find those that have been denied access, and print their usernames on the screen.

Q3. Add New Offenders to Blocklist

You have discovered that another user violated the site rules today. The username of the offender is:

```
alice@wonderland.co.uk
```

You have decided to block the user's access. Write a Python programme that appends the new offender to the existing blocklist.txt.