

## EXERCISE 1.4: MISSING DEPENDENCIES

1. Start the Ubuntu container with the provided process and ensure it waits for input

```
tmgravin@ubuntu:~$ docker run --rm -it ubuntu sh -c 'while true; do echo "Input website:"; read website; echo "Searching.."; sleep 1; curl http://$website; done'
Input website:
helsinki.fi
Searching..
sh: 1: curl: not found
root@ubuntu:~#
```

*Note: It is showing that the dependencies required for curl is not installed.  
Now we need to install curl inside the container*

2. Installing curl inside the container

```
^Ctmgravin@ubuntu:~$ docker run --rm -it ubuntu /bin/bash -c 'apt-get update && apt-get install -y curl && while true; do echo "Input website:"; read website; echo "Searching.."; sleep 1; /usr/bin/curl http://$website; done'
Get:1 http://archive.ubuntu.com/ubuntu noble InRelease [256 kB]
Get:2 http://security.ubuntu.com/ubuntu noble-security InRelease [89.7 kB]
Get:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease [89.7 kB]
Get:4 http://archive.ubuntu.com/ubuntu noble-backports InRelease [58.3 kB]
Get:5 http://archive.ubuntu.com/ubuntu noble/main amd64 DEP-11 Metadata [5,438 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble/universe amd64 DEP-11 Metadata [1,212 kB]
Get:7 http://archive.ubuntu.com/ubuntu noble/restricted amd64 DEP-11 Metadata [5,438 kB]
Get:8 http://archive.ubuntu.com/ubuntu noble/multiverse amd64 DEP-11 Metadata [5,438 kB]
Fetched 15.5 MB in 5s (3,041 kB/s)
Reading package lists...
Building dependency tree...
Reading state information...
curl is already the newest version (8.5.0-2ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

*After the completion of installation, we get the output with Input Website field*

3. We need to give input as *helsinki.fi*  
*Testing input helsinki.fi into the application*

```
Input website:
helsinki.fi
Searching..
<html>
<head><title>301 Moved Permanently</title></head>
<body>
<center><h1>301 Moved Permanently</h1></center>
<hr><center>nginx/1.22.1</center>
</body>
</html>
```