

# Automate Embedded Development Setup

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## Introduction

In order to automate the environment setup, installation of required tools and the compilation process, a bash and a Powershell scripts are provided.

## Steps for the Windows Subsystem for Linux

### VirtualBox on Windows host

### Steps for native Linux system

The script will perform the following steps:

1. Install:
  - The **make** tool
  - The newest **Python** version
  - The **Haskell** interpreter and compiler
  - Optional: **Pandoc**, to generate a PDF of this markup file
- 2.

In a Linux terminal, navigate to the directory where these files are located and type the following commands:

```
git clone https://github.com/DanEscher98/Courses.git
chmod u+x setup.sh # Change to executable mode
sudo ./setup.sh # To install packages permission is needed
```

## Software that will be installed ...

### on the Windows host

- Microsoft PowerShell 7
- Microsoft Windows Terminal
- Oracle VirtualBox
- Hashicorp Vagrant
- Axosoft GitKraken
- git and gsudo

### on the Linux VM

"You are old, Father William," the young man said,  
"And your hair has become very white;  
And yet you incessantly stand on your head  
Do you think, at your age, it is right?"

"In my youth," Father William replied to his son,  
"I feared it might injure the brain;  
But now that I'm perfectly sure I have none,  
Why, I do it again and again."