# 3.2 Bashcrawl: How Far Can You Go?

## An open-ended terminal adventure

**Technology Commons | Port Credit Secondary School**

### DO THIS FIRST

1. Open a terminal and install Git only if you have permission and need it.
2. Download Bashcrawl and enter the game.
3. Read the clues, explore, and use terminal commands to make progress.
4. Complete all four blue answer boxes.
5. Add one readable screenshot showing your terminal adventure.
6. Rename this Google Doc: STUDENTNUMBER-LastName-Bashcrawl.
7. Turn in this one Google Doc in Google Classroom.

### HOW YOUR MARK WORKS: 100 MARKS

**Core work: 80 marks**
20 marks: Set up, download, and start Bashcrawl correctly.
25 marks: Navigate rooms, read clues, and show meaningful progress.
20 marks: Explain a command and what you tried when you got stuck.
15 marks: Complete all four answers and add a readable terminal screenshot.

**Level 4+ / Impress Me: 20 marks**
10 marks: Make one accurate improvement to these instructions and explain why it helps.
5 marks: Learn and explain one useful command or option that was not given to you.
5 marks: Show evidence of a second meaningful path or an independent troubleshooting success.

### LEVEL 4+: MAKE THE INSTRUCTIONS BETTER

If anything here is unclear, incomplete, or could be explained better, improve it in your own copy. Use Suggesting mode if it is available. Otherwise, add a clearly labelled “Suggested improvement” with your revised wording. Include one sentence explaining why your version is clearer or more useful. Do not remove required work. Mr. A will review your change and may update the course website and future assignment documents if he agrees it helps. Improving a real instruction accurately is Level 4+ evidence. Identify one real weakness, provide clearer replacement wording, and explain why your version is better.
Related course lesson: Explore Linux, Part 6: Clone and play Bashcrawl

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Name: [Type here] Student #: [Type here] Computer: [Windows WSL / Windows Git Bash / Mac / Chromebook / Linux / Android / iPhone or iPad] Date: [Type here]

# YOUR QUEST

Bashcrawl is a dungeon adventure played inside the terminal. Folders are rooms. Files contain clues. Use real commands to explore, solve puzzles, and see how far you can get.

**There is NO time limit and NO required final room. Keep playing for as long as you can. Try to make progress, explore new paths, and learn from clues.**

**AT HOME: Bashcrawl works on Windows WSL, Windows Git Bash, Mac, Chromebook, or Linux. A phone is slower and less comfortable, but Android and iPhone or iPad also work.**

**IN CLASS WITHOUT INTERNET: After Linux Mint is installed, or while Linux Mint is running from the bootable USB, use the Bashcrawl folder in the TEJ Linux Offline Kit. No Internet or Git download is needed after the game folder is copied.**

**USB or download instructions and printable quick start**

**Your final submission: ONE completed Google Doc, including a screenshot from the furthest part of your adventure and short answers in the blue boxes.**

# 1. OPEN TERMINAL

Windows WSL: Open Ubuntu or your installed Linux distribution from Start. If WSL is not installed, use the Microsoft setup guide linked at the bottom or complete Terminal Quest first.

Windows Git Bash: With the computer owner's permission, install Git for Windows and open Git Bash. Git Bash is not Linux or Unix. It supplies Bash, Git, and common Unix-style commands inside Windows, so paths and system tools can differ. The Bashcrawl commands used here are mostly the same.

Linux Mint / Ubuntu: Press Ctrl + Alt + T, or open Terminal from the application menu.

Mac: Press Command + Space, search Terminal, and press Return.

Chromebook: On a personal Chromebook or owner account, enable Settings > About ChromeOS > Developers > Linux development environment > Set up. Setup needs Internet. Open Terminal from the Launcher afterward. A school-managed Chromebook may block this feature. Do not use Developer Mode or bypass school management.

## PHONE OR TABLET

Android: Install Termux from F-Droid. Run `pkg update`, then `pkg install git`.

iPhone or iPad: Install iSH Shell. Run `apk update`, then `apk add bash git`, then `bash`.

After setup, continue with the same Bashcrawl commands below. Using a phone is slower and more difficult than using a computer, but Android and iPhone both work. A Bluetooth keyboard makes it

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easier. If you are waiting for a classroom computer or Internet connection, use your phone to begin or continue the assignment instead of doing nothing. 📱💻

In your terminal, check Git. Git is the tool that downloads our game:

```
git --version
```

If Git is missing on Ubuntu, WSL, or Linux Mint, ask for permission to run: `sudo apt update` and then `sudo apt install git -y`. On Mac, follow the prompt to install Apple Command Line Tools if asked.

## 2. DOWNLOAD AND START BASHCRAWL

OFFLINE OPTION: If the TEJ Linux Offline Kit is already on your computer or USB drive, you do not need Git or Internet. Extract the kit, copy the complete bashcrawl folder into ~/Games, then run cd ~/Games/bashcrawl/entrance and cat scroll. On a Chromebook, first move the bashcrawl folder into Linux files. Terminal setup must be completed while online, but the included game works offline afterward.

The core Bashcrawl commands are mostly the same in WSL, Git Bash, Linux, macOS, ChromeOS Linux, Termux, and iSH: ls, cd, pwd, cat, and git clone. The prompt, home-folder path, permissions, and available system commands may differ.

Copy ONE command at a time into your Linux or Mac terminal. Press Enter after each line. Do not type a $ prompt symbol.

```
cd ~
```

cd means Change Directory (move to a folder). ~ is your home folder.

```
mkdir -p Games
```

mkdir means Make Directory (create a folder). Games is the new folder name.

```
cd Games
```

Move inside the Games folder.

```
git clone https://gitlab.com/slackermedia/bashcrawl.git
```

git clone makes a copy of the Bashcrawl game on your computer. If you already downloaded it here, skip this command.

```
cd bashcrawl/entrance
```

Move to the game's entrance. If you played before, you can start again with `cd ~/Games/bashcrawl/entrance`.

```
cat scroll
```

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cat reads a file. The argument scroll tells cat which file to show. The first scroll explains how to begin.

## 3. LEARN THE MOVES, THEN EXPLORE

Your objective: follow the clues and get as far into the dungeon as possible. Look at what is in each room, read clues, and choose where to go next. There is no worksheet telling you every move.

Example of what the terminal might look like (the $ is the prompt, not something to type):

```
$ ls
cellar  scroll
$ cat scroll
[The game displays a clue.]
$ cd cellar
$ pwd
/home/sam/Games/bashcrawl/entrance/cellar
```

Memory clues: `ls` = LiSt what is here; `pwd` = Print Working Directory (where am I?); `cd roomname` = move into that room; `cd ..` = go back; `cat filename` = read a clue; `ls -a` = list ALL, including hidden items.

If you see a file called scroll, read it using `cat scroll`. If a command does not work, read the message carefully and try another idea. Do not use `sudo` inside the game.

## 4. HOW FAR CAN YOU GO?

Explore for as long as you can, try different paths, and return to the game another day if you want. Getting stuck is part of solving the puzzle. Try `ls` or `ls -a`, reread scrolls, or go back and choose another room.

When you decide to stop, fill in the boxes below. A thoughtful account of what you tried matters more than reaching a particular room.

| Question | Your answer |
|---|---|
| **What is the furthest room you reached?**<br>**Tip: Type `pwd` in that room.** | *[Type the room name or path here.]* |
| **What did you discover?**<br>**Name one clue, object, or surprise.** | *[Type here.]* |

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| | |
|---|---|
| **What command did you learn or use? Say what it does.** | *[Command + meaning: Type here.]* |
| **What did you try when you got stuck? Did it work?** | *[Type what you tried and what happened.]* |

## 5. SHOW WHERE YOU GOT

Go to the furthest room or an interesting clue. Take a screenshot with the terminal visible, then insert it in the blue box. You may add more screenshots if you continue exploring later.

| **SCREENSHOT: SHOW YOUR ADVENTURE** |
|---|
| *[Insert your terminal screenshot here. Click in this box and use Insert > Image in Google Docs. Resize it so the command or clue can be read.]* |

## TURN IT IN

1. Complete all four answer boxes and add at least one terminal screenshot.
2. Rename this document: STUDENTNUMBER-LastName-Bashcrawl.
3. Submit this Google Doc in Google Classroom. No history file is needed for this assignment.

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# KEEP GOING (OPTIONAL)

If you want to return later: open Terminal, type `cd ~/Games/bashcrawl/entrance`, and follow the paths you discovered. See if you can get further.

**Official Bashcrawl game and instructions (GitLab)**

**Microsoft WSL installation instructions**

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