

# Solution Guide: Finding Your Way

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- The first step is to navigate into the `/03-student/day2/finding_your_way/PeanutButtery.net/` folder on your VM. To complete this, run the following command:
  - `cd /03-student/day2/finding_your_way/PeanutButtery.net/`
- The next step is to find all directories that have the word "secret" in their name. To do this, run:
  - `find -type d -iname *secret*`
    - `find` : The command-line command.
    - `-type` : The option for specifying whether you're searching for a file or a directory.
    - `d` : The required parameter for the `-type` option, indicating you're searching for a directory.
    - `-iname` : The option indicating you're searching for a specific case-insensitive value.
    - `*secret*` : The parameter indicating the value you're searching for. The two wildcards indicate that the value `secret` can be located anywhere in the file name.
- When you run the command, the results should return the following directory path containing the value of `secret` : `./other/disregard/wonkasecretrecipes` .
  - This means the directory `wonkasecretrecipes` is within the `disregard` directory, within the `other` directory.
- Next, we need to find the files that contain the word "recipe." The command to do this is:
  - `find -type f -iname *recipe*`
  - `find` : The command-line command.
  - `-type` : The option for specifying whether you're searching for a file or a directory.

- `f` : The required parameter for the `-type` option, indicating you're searching for a file.
- `-iname` : The option indicating you're searching for a specific case-insensitive value.
- `*recipe*` : The parameter specifying the value you're searching for. The two wildcards indicate that the value `recipe` can be located anywhere in the file name.
- The results of the command should return the following four files that have the value of `recipe` in the name:
  - `./other/disregard/wonkasecretrecipes/recipe_crunchybars`
  - `./other/disregard/wonkasecretrecipes/recipe_peanutballs`
  - `./other/disregard/wonkasecretrecipes/recipe_peanutsquares`
  - `./other/disregard/wonkasecretrecipes/recipe_yumbars`
- The four files are: `recipe_yumbars` , `recipe_peanutsquares` , `recipe_peanutballs` , `recipe_crunchybars` .

## Bonus

You were asked to find files containing the words "recipe" and "peanut" in the name.

- To do this, we need to use a conditional of `-a` to add an additional search. The command is:
  - `find -type f -iname *recipe* -a -iname *peanut*`
  - `find` : The command-line command.
  - `-type` : The option for specifying whether you're searching for a file or a directory.
  - `f` : The required parameter for the `-type` option, indicating you're searching for a file.
  - `-iname` : The option indicating you're searching for a specific case-insensitive value.
  - `*recipe*` : The parameter specifying the value you're searching for. The two wildcards indicate that the value of `recipe` can be located anywhere in the file name.
  - `-a` : The conditional statement that represents **AND**, which states that the next value must also be matched in the result.

- `-o` can be used as an **OR** conditional, returning results that include either one of the specified values.
- `-iname *peanut*`: The second value that needs to be found in a file name.

When you run the command, the results show two files that have the word "recipe" and "peanut" in their names:

- `./other/disregard/wonkasecretrecipes/recipe_peanutballs`
- `./other/disregard/wonkasecretrecipes/recipe_peanutsquares`

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