- Personal details -

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Topic: Operating systems

## UNIX-shell

Project-1

## - Summary -

The biggest benefit is that now Iam aware of what steps needs to be performed by bash to run a certain command(program) based on several arguments.

Also, I learned more about dynamic memory allocation since I had to use it while creating (array) that holds the user entered commands.

Aside from that I realized how programs create a command by writing a code then generating the object file to the bin directory (where most of the commands are), so I created my own command which is this project so I can run it form anywhere not only where the output of gcc is.

## - Notes -

- Get command: unfortunately, if the get command fails to find the variable whiten environment it causes a segmentation fault and as a result the bash stops more about that here.
- Set command: if there is already a variable in the environment and you called the set without a value then it will be assigned to NULL.
- o I tried to minimize the errors as much as I could but due to lack of time there are still some minor errors.
- Background commands go to zombie (defunct) state for some reason.

## Simple sample: