\$hell variables

echo

Print strings to screen echo hello, world

Print values of variables echo \$HOME

Frequently used shell variables

- \$USERNAME
- \$HOME
- \$HOSTNAME
- \$PWD
- \$PATH

printenv, env, set

Special shell variables

- **\$0**: name of the shell
- **\$\$**: process ID of the shell
- \$?: return code of previously run program
- \$- : flags set in the bash shell

Process control

- Use of & to run a job in the background
- fg
- coproc
- jobs
- top
- kill

echo \$\$

Program exit codes

0: success

1 : failure

2: misuse

126: command cannot be executed

127: command not found

130 : processes killed using control+C

137 : processes killed using kill -9 <pid>

echo \$?

Flags set in bash

- h: locate and hash commands
- B: brace expansion enabled
- i : interactive mode
- m: job control enabled
- H:! style history substitution enabled
- s: commands are read from stdin
- c : commands are read from arguments

echo \$-