

Password Generation and Shell Script Arguments (S4)

Random Data, Cryptographic Hash Functions, Text and String Manipulation

- RANDOM is bash builtin variable → generates random integer
- Checksum as password by piping data in hashfunctions
- shuf → randomize line output
- fold → make input into lines

Positional Parameters, Arguments, for Loops, Special Parameters

- parameter: variable used inside shell script
- argument: data passed into shell script → becomes value stored in parameter
 - positional parameter store arguments
 - \$0 → command
 - after 0 storing the arguments
 - \$# → to get number of supplied args
 - \$@ to use in loops
 - \$* all arguments getting merged to one argument
- for loop:
 - for NAME [in WORDS ...] ; do COMMANDS; done

The while Loop, Infinite Loops, Shifting, Sleeping

- while loop:
 - while COMMANDS; do COMMANDS; done
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- sleep → delay execution
- shift n → removes n parameter from list and renames the following one