

Bash Cheatsheet

Bash is a Unix shell and command language used for automating tasks and interacting with the operating system. Here is an overview of its features, code blocks, and resources.

Features

- Bash is a command language used for interacting with the Unix shell.
- It is a scripting language that can be used for automating tasks and system administration.
- Bash supports variables, loops, conditionals, functions, and file manipulation.
- Bash is highly customizable and can be extended with plugins and scripts.

Code Blocks

Variables

Variables are used to store data that can be used later in the script.

```
variableName=value
```

Functions

Functions are code blocks that perform a specific task. They can be called by other parts of the script.

```
function functionName {  
    # code to be executed  
}
```

Conditionals

Conditionals allow the script to make decisions based on certain conditions.

```
if [ condition ]; then  
    # code to be executed if condition is true  
elif [ otherCondition ]; then  
    # code to be executed if otherCondition is true  
else  
    # code to be executed if neither condition is true  
fi
```

Loops

Loops allow the script to repeat a set of instructions.

```
for i in {1..10}; do  
    # code to be executed  
done
```

File Manipulation

Bash can be used to manipulate files and folders on the file system.

```
# list all files in the current directory
ls

# create a new directory
mkdir directoryName

# remove a file
rm fileName
```

Resources

Here are some resources for learning and using Bash:

- [Bash Reference Manual](#)
- [Bash subreddit](#)
- [Bash Guide for Beginners](#)
- [Bash on Stack Overflow](#)