

# LU08.L02: Funktion für Bash-Befehle

```
def execute_bash(command):
    """
    Execute a Bash command and return the result.
    Parameters
    -----
    command : str
        The Bash command to execute.
    Returns
    -----
    subprocess.CompletedProcess
        The result of the command execution.
    """
    try:
        result = subprocess.run(
            command,
            shell=True, # Use a shell to interpret the command
            check=True, # Raise an error if the command fails
            text=True, # Capture output as a string
            stdout=subprocess.PIPE, # Redirect standard output
            stderr=subprocess.PIPE # Redirect standard error
        )
        return return [result.returncode, result.stdout]
    except subprocess.CalledProcessError as e:
        print(f'Error executing the command: {e.cmd}')
        print(f'Error message: {e.stderr}')
        sys.exit(1)
    except Exception as ex:
        print(f'An unexpected error occurred: {ex}')
        sys.exit(1)
```

M122-LU08



Marcel Suter

From:  
<https://wiki.bzz.ch/> - **BZZ - Modulwiki**

Permanent link:  
<https://wiki.bzz.ch/modul/m122/learningunits/lu08/loesungen/subprocess>

Last update: **2024/12/16 09:00**

