# 02. Docker Playground

*In this problem, you need to utilize the* ***Docker******playground*** *environment to accomplish a specific task. Your objective is to perform the necessary steps to* ***download a file****,* ***execute a processing command****, and* ***submit the output*** *for evaluation. Follow the general instructions provided below to complete the task successfully:*

* **Open the Docker playground** and **add a new instance**.
* Once the session is ready, a command line interface should be opened.
* **Alpine Linux** is commonly used in Docker Playground due to its small footprint, fast startup times, and excellent security features, making it ideal for containerized environments.
* Research and find the appropriate method to **install packages** in **Alpine Linux**.
* Alpine Linux uses the **package manager "apk"** for package installation.
* The **"wget" package** is a command-line tool used for **retrieving files from the web** via HTTP, HTTPS, and FTP protocols**.**
* **Install the required package or tool**. Wait for the installation to complete. You will see the progress and confirmation messages in the terminal.
* Research and find the **appropriate command to download a file from a given URL.**
* **Download the file** from the following URL: **https://api.zippopotam.us/us/90202**
* The **"cksum" command** reads the files specified by the File parameter and calculates a 32-bit checksum Cyclic Redundancy Check (CRC) and the byte count for each file.
* **Execute the processing command on the downloaded file**.
* **Copy the output generated by the processing command**.
* **Submit the output in Judge**.

*QA specialists can replicate production or specific testing environments using Docker containers in the playground, allowing them to accurately reproduce the setup for testing and debugging purposes. Docker Playground provides an isolated environment where QA specialists can automate tests using frameworks like Selenium. They can create containers with the necessary dependencies and run test suites repeatedly to ensure the functionality and stability of software applications.*