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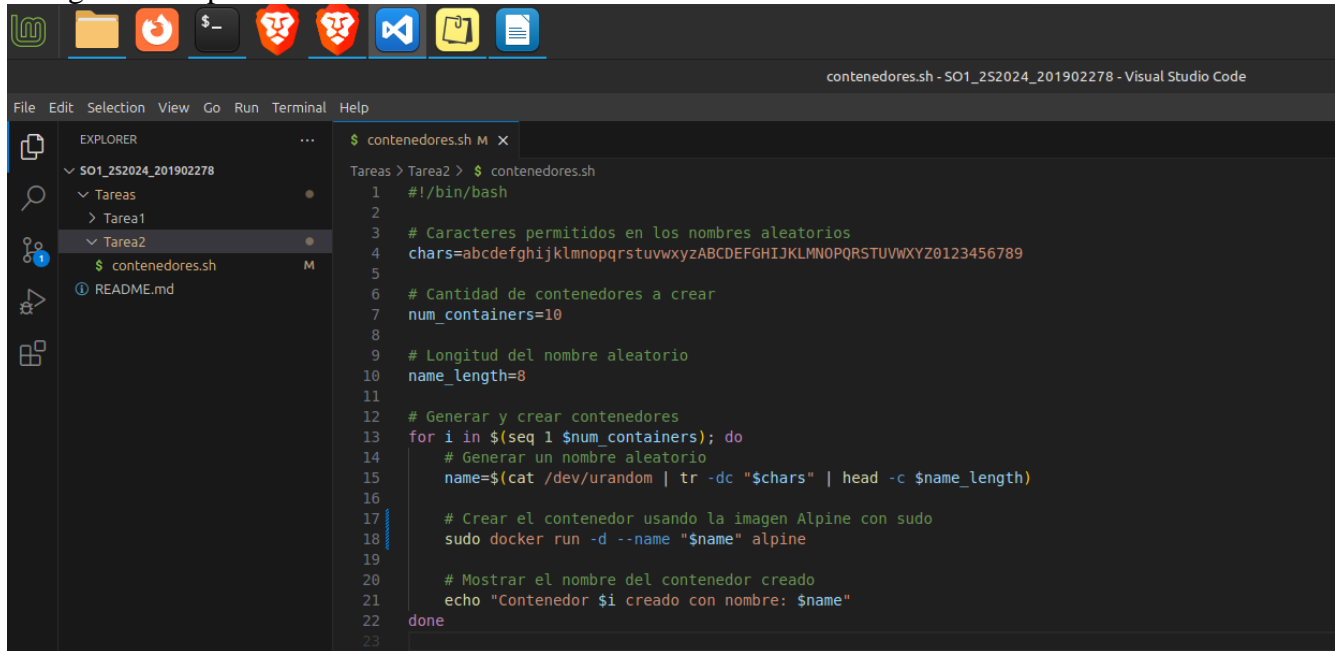
Carne: 201902278

## Tarea #2

Link del Repositorio:

[https://github.com/KevinPalaciosQ/SO1\\_2S2024\\_201902278/tree/main/Tareas/Tarea2](https://github.com/KevinPalaciosQ/SO1_2S2024_201902278/tree/main/Tareas/Tarea2)

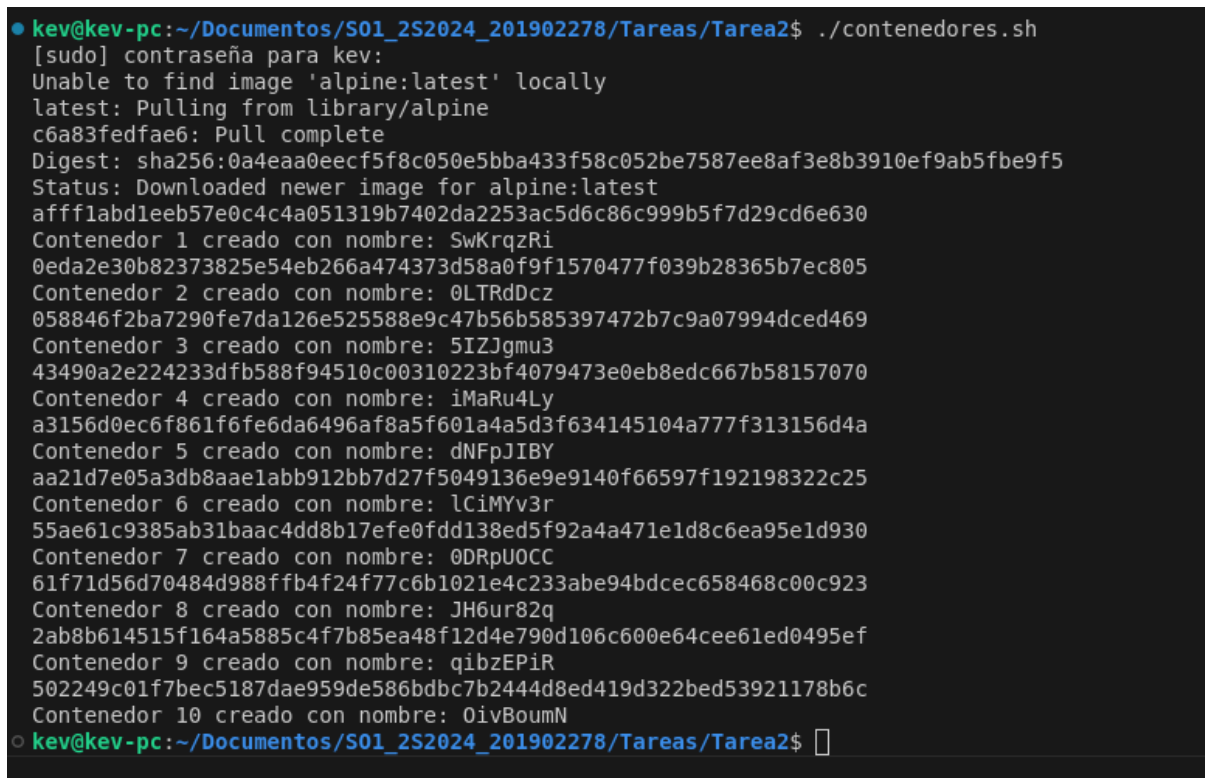
## Código del Script



The screenshot shows the Visual Studio Code interface. The Explorer view on the left displays the file structure of the repository, with 'Tarea2' selected. The Editor view on the right shows the 'contenedores.sh' script. The script is a bash script that generates and creates 10 Alpine containers. It defines a set of allowed characters, a quantity of containers, and a name length. It then uses a loop to generate random names and create containers using 'sudo docker run'.

```
1 #!/bin/bash
2
3 # Caracteres permitidos en los nombres aleatorios
4 chars=abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789
5
6 # Cantidad de contenedores a crear
7 num_containers=10
8
9 # Longitud del nombre aleatorio
10 name_length=8
11
12 # Generar y crear contenedores
13 for i in $(seq 1 $num_containers); do
14     # Generar un nombre aleatorio
15     name=$(cat /dev/urandom | tr -dc "$chars" | head -c $name_length)
16
17     # Crear el contenedor usando la imagen Alpine con sudo
18     sudo docker run -d --name "$name" alpine
19
20     # Mostrar el nombre del contenedor creado
21     echo "Contenedor $i creado con nombre: $name"
22 done
23
```

## Creación de las 10 imagenes de alpine



The screenshot shows a terminal window where the 'contenedores.sh' script has been executed. The output shows the process of pulling the 'alpine:latest' image and creating 10 containers with random names. The terminal output is as follows:

```
• kev@kev-pc: ~/Documentos/SO1_2S2024_201902278/Tareas/Tarea2$ ./contenedores.sh
[sudo] contraseña para kev:
Unable to find image 'alpine:latest' locally
latest: Pulling from library/alpine
c6a83fedfae6: Pull complete
Digest: sha256:0a4eaa0eecf5f8c050e5bba433f58c052be7587ee8af3e8b3910ef9ab5f9b5f5
Status: Downloaded newer image for alpine:latest
affflabdl1eeb57e0c4c4a051319b7402da2253ac5d6c86c999b5f7d29cd6e630
Contenedor 1 creado con nombre: SwKrQzRi
0eda2e30b82373825e54eb266a474373d58a0f9f1570477f039b28365b7ec805
Contenedor 2 creado con nombre: 0LTRdDcz
058846f2ba7290fe7da126e525588e9c47b56b585397472b7c9a07994dced469
Contenedor 3 creado con nombre: 5IZJgmu3
43490a2e224233dfb588f94510c00310223bf4079473e0eb8edc667b58157070
Contenedor 4 creado con nombre: iMaRu4Ly
a3156d0ec6f861f6fe6da6496af8a5f601a4a5d3f634145104a777f313156d4a
Contenedor 5 creado con nombre: dNFpJIBY
aa21d7e05a3db8aae1abb912bb7d27f5049136e9e9140f66597f192198322c25
Contenedor 6 creado con nombre: lCiMYv3r
55ae61c9385ab31baac4dd8b17efe0fdd138ed5f92a4a471e1d8c6ea95e1d930
Contenedor 7 creado con nombre: 0DRpU0CC
61f71d56d70484d988ffb4f24f77c6b1021e4c233abe94bdcec658468c00c923
Contenedor 8 creado con nombre: JH6ur82q
2ab8b614515f164a5885c4f7b85ea48f12d4e790d106c600e64cee61ed0495ef
Contenedor 9 creado con nombre: qibzEPiR
502249c01f7bec5187dae959de586bdbcb7b2444d8ed419d322bed53921178b6c
Contenedor 10 creado con nombre: OivBoumN
• kev@kev-pc: ~/Documentos/SO1_2S2024_201902278/Tareas/Tarea2$
```

## Verificación de las imágenes en docker

```
• kev@kev-pc:~/Documentos/S01_252024_201902278/Tareas/Tarea2$ sudo docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
502249c01f7b	alpine	"/bin/sh"	13 minutes ago	Exited (0) 13 minutes ago		OivBoumN
2ab8b614515f	alpine	"/bin/sh"	13 minutes ago	Exited (0) 13 minutes ago		qibzEPiR
61f71d56d704	alpine	"/bin/sh"	13 minutes ago	Exited (0) 13 minutes ago		JH6ur82q
55ae61c9385a	alpine	"/bin/sh"	13 minutes ago	Exited (0) 13 minutes ago		0DRpU0CC
aa21d7e05a3d	alpine	"/bin/sh"	13 minutes ago	Exited (0) 13 minutes ago		lCiMYv3r
a3156d0ec6f8	alpine	"/bin/sh"	13 minutes ago	Exited (0) 13 minutes ago		dNFpJIBY
43490a2e2242	alpine	"/bin/sh"	13 minutes ago	Exited (0) 13 minutes ago		iMaRu4Ly
058846f2ba72	alpine	"/bin/sh"	13 minutes ago	Exited (0) 13 minutes ago		5IZJgmu3
0eda2e30b823	alpine	"/bin/sh"	13 minutes ago	Exited (0) 13 minutes ago		0LTRdDcz
affflabdlieb	alpine	"/bin/sh"	13 minutes ago	Exited (0) 13 minutes ago		SwKrQzRi

```
• kev@kev-pc:~/Documentos/S01_252024_201902278/Tareas/Tarea2$
```