Print a Table using Docker

Create a folder and Dockerfile

```
zenvila@zenvila ~ $ mkdir table-docker
zenvila@zenvila ~ $ cd table-docker
zenvila@zenvila ~/table-docker $ nano table.sh
zenvila@zenvila ~/table-docker $
```

Create a file table.sh

```
#!/bin/bash
for i in {1..10}
do
   echo "3 x $i = $((3 * i))"
done
```

Make it executable:

```
zenvila@zenvila ~/table-docker $ chmod +x table.sh
zenvila@zenvila ~/table-docker $
```

Creating a Dockerfile

```
# Dockerfile
FROM ubuntu:latest
COPY table.sh /table.sh
RUN chmod +x /table.sh
CMD ["/table.sh"]
```

Build and Run Docker Image

```
zenvila@zenvila ~/table-docker $ docker build -t table-printer .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
            Install the buildx component to build images with BuildKit:
            https://docs.docker.com/go/buildx/

Sending build context to Docker daemon  3.072kB
```

```
 ---> 92573079ae97
Successfully built 92573079ae97
Successfully tagged table-printer:latest
zenvila@zenvila ~/table-docker $
```

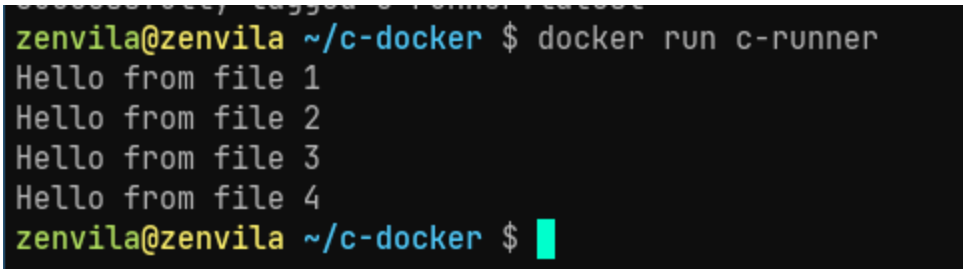
Task 2:

Run 4 C Files in Docker

```
zenvila@zenvila ~ $ mkdir c-docker
zenvila@zenvila ~ $ cd c-docker
zenvila@zenvila ~/c-docker $ nano hello-1.c
zenvila@zenvila ~/c-docker $ nano hello-2.c
zenvila@zenvila ~/c-docker $ nano hello-3.c
zenvila@zenvila ~/c-docker $ nano hello-4.c
zenvila@zenvila ~/c-docker $ nano run.sh
```

```
#!/bin/bash
gcc hello-1.c -o hello1
gcc hello-2.c -o hello2
gcc hello-3.c -o hello3
gcc hello-4.c -o hello4

./hello1
./hello2
./hello3
./hello4
```


zenvila@zenvila ~/c-docker $ docker run c-runner
Hello from file 1
Hello from file 2
Hello from file 3
Hello from file 4
zenvila@zenvila ~/c-docker $