

Ques 1: Create a container for the below bash script(**pomodoro.sh**).

1. Create a Dockerfile
2. Create a Docker Image
3. Push the image to the docker hub
4. Pull it and test it.

Find the script from here <https://github.com/DARK-art108/Bash-Scripts>

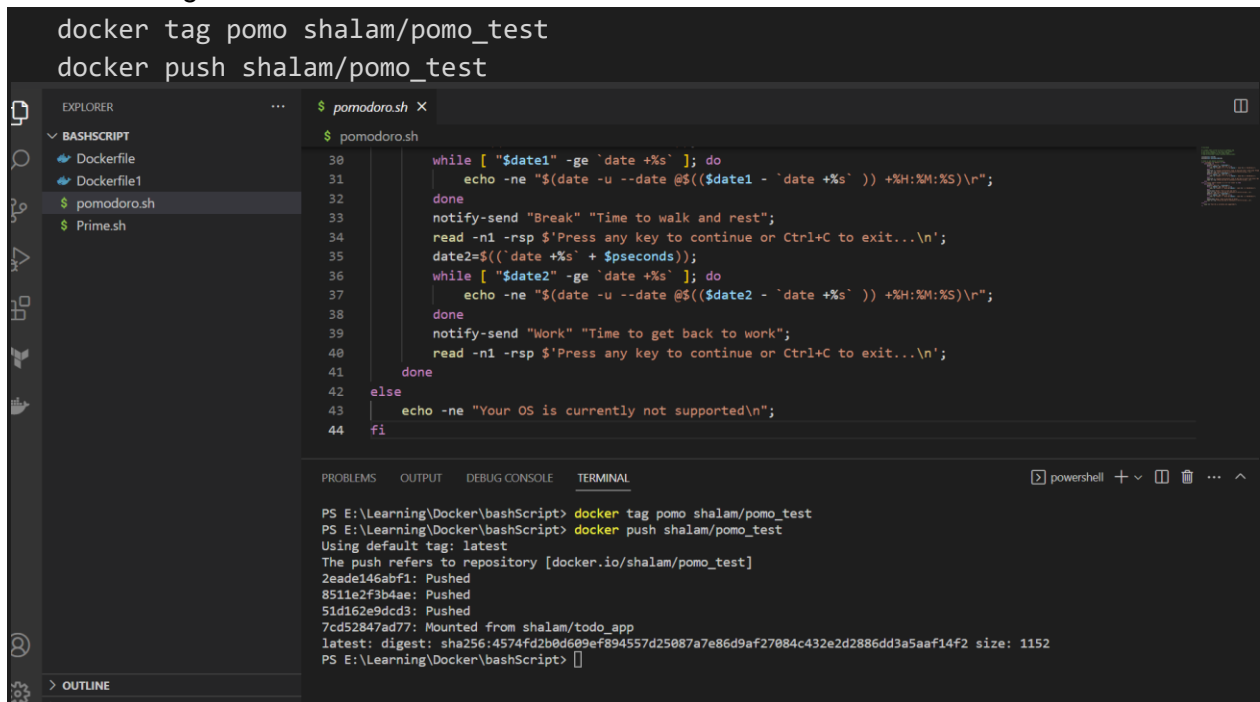
DockerFile:

```
FROM alpine
RUN apk add --no-cache --upgrade bash
COPY pomodoro.sh /pomodoro.sh
RUN chmod +x /pomodoro.sh
ENTRYPOINT ["sh", "/pomodoro.sh"]
```

Docker Image:

```
Docker build -t pomo -f dockerfile .
Docker run -name pomo pomo
```

Push the image to the docker hub:



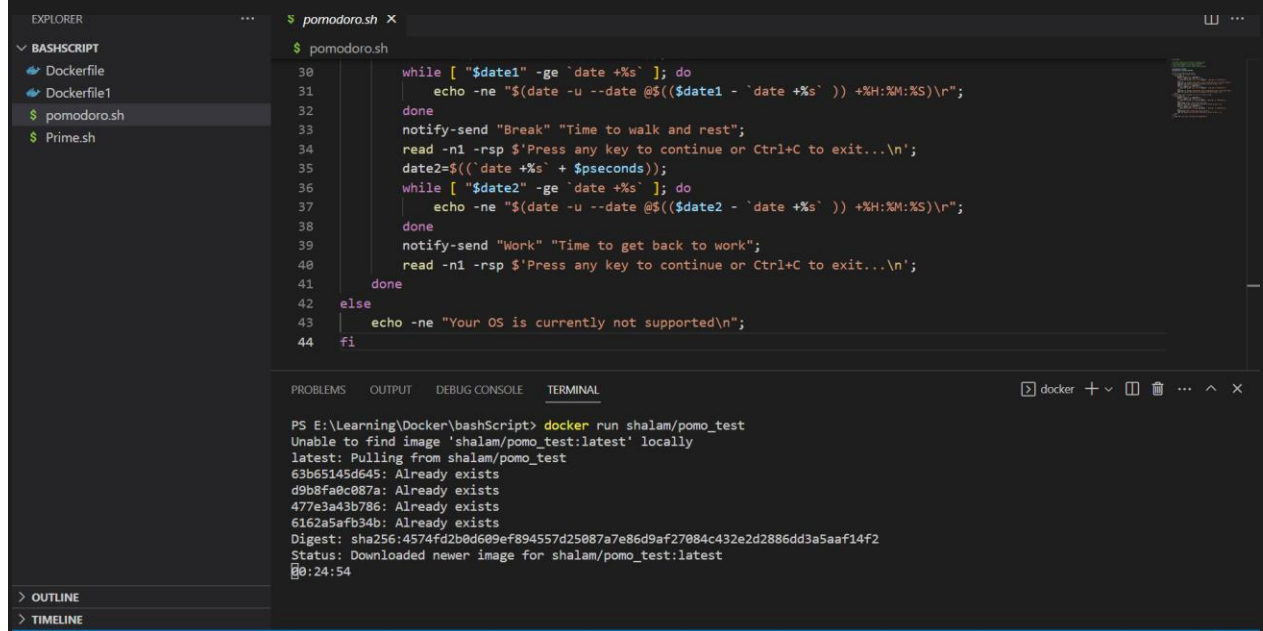
```
docker tag pomo shalam/pomo_test
docker push shalam/pomo_test
```

The screenshot shows a VS Code editor with a file explorer on the left containing 'BASHSCRIPT' and 'pomodoro.sh'. The main editor displays the content of 'pomodoro.sh', which is a bash script for a Pomodoro timer. The script includes logic for alternating between 'Break' and 'Work' periods, with notifications and prompts for the user to continue or exit. The terminal at the bottom shows the execution of 'docker tag' and 'docker push' commands, followed by the output indicating that the image was successfully pushed to the Docker Hub repository 'shalam/pomo\_test'.

```
PS E:\Learning\Docker\bashScript> docker tag pomo shalam/pomo_test
PS E:\Learning\Docker\bashScript> docker push shalam/pomo_test
Using default tag: latest
The push refers to repository [docker.io/shalam/pomo_test]
2eade146abf1: Pushed
8511e2f3b4ae: Pushed
51d162e9dcd3: Pushed
7cd52847ad77: Mounted from shalam/todo_app
latest: digest: sha256:4574fd2b0d609ef894557d25087a7e86d9af27084c432e2d2886dd3a5aaf14f2 size: 1152
PS E:\Learning\Docker\bashScript>
```

Pull it and test it:

`docker run shalam/pomo_test`



The screenshot shows a VS Code editor with a file explorer on the left containing 'BASHSCRIPT', 'Dockerfile', 'Dockerfile1', 'pomodoro.sh', and 'Prime.sh'. The main editor displays the contents of 'pomodoro.sh', which is a shell script for a Pomodoro timer. The script uses 'while' loops and 'notify-send' to manage work and break periods. The bottom panel shows the 'TERMINAL' output of the command 'docker run shalam/pomo\_test', indicating that the image was pulled from Docker Hub and is now running.

```
30 while [ "$date1" -ge `date +%s` ]; do
31     echo -ne "$(date -u --date @$((($date1 - `date +%s` )) +%H:%M:%S))\n";
32 done
33 notify-send "Break" "Time to walk and rest";
34 read -n1 -rsp $'Press any key to continue or Ctrl+C to exit...\n';
35 date2=$((`date +%s` + $pseconds));
36 while [ "$date2" -ge `date +%s` ]; do
37     echo -ne "$(date -u --date @$((($date2 - `date +%s` )) +%H:%M:%S))\n";
38 done
39 notify-send "Work" "Time to get back to work";
40 read -n1 -rsp $'Press any key to continue or Ctrl+C to exit...\n';
41 done
42 else
43     echo -ne "Your OS is currently not supported\n";
44 fi
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS E:\Learning\Docker\bashScript> **docker** run shalam/pomo\_test  
Unable to find image 'shalam/pomo\_test:latest' locally  
latest: Pulling from shalam/pomo\_test  
63b65145d645: Already exists  
d9b8fa0c087a: Already exists  
477e3a43b786: Already exists  
6162a5afb34b: Already exists  
Digest: sha256:4574fd2b0d609ef894557d25087a7e86d9af27084c432e2d2886dd3a5aaf14f2  
Status: Downloaded newer image for shalam/pomo\_test:latest  
00:24:54

> OUTLINE  
> TIMELINE