

EXPERIMENT 2

AIM: Working with Docker (Basic Commands)

Steps to Complete:

1. Search a Redis image on DockerHub

```
C:\Users\LENOVO>docker search redis
```

NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
redis	Redis is the world's fastest data platform f...	12987	[OK]	
redis/redisinsight	Redis Insight - our best official GUI for Re...	14		
redis/redis-stack-server	redis-stack-server installs a Redis server w...	80		
redis/redis-stack	redis-stack installs a Redis server with add...	115		
redis/rdi-monitor		0		
redis/rdi-processor		0		
redis/rdi-api		0		
redis/rdi-cli		0		
redis/rdi-operator		0		
redis/rdi-collector-initializer	Init container for RDI Collector	0		
chainguard/redis	Minimalist Wolffi-based Redis image.	1		
circleci/redis	CircleCI images for Redis	17		[OK]
bitnami/redis	Bitnami container image for Redis	300		[OK]
elestio/redis	Redis, verified and packaged by Elestio	0		
redislabs/redis	Clustered in-memory database engine compatib...	41		
rapidfort/redis	RapidFort optimized, hardened image for Redi...	21		
ubuntu/redis	Redis, an open source key-value store. Long-...	22		
drud/redis	redis	0		[OK]
metabrainz/redis	MetaBrainz redis cluster	0		[OK]
cimg/redis		2		
bitnamicharts/redis		2		
jumpserver/redis	Redis is an open source key-value store that...	1		
redislabs/ng-redis-raft	Redis with redis raft module	0		
google/apigee-redis	apigee-redis	1		
redislabs/ru101-lab	Redis University 101	0		

2. Run Docker Container of Redis Image in background

```
C:\Users\LENOVO>docker pull redis
Using default tag: latest
latest: Pulling from library/redis
Digest: sha256:878983f8f5045b28384fc300268cec62bca3b14d5e1a448bec21f28cfcc7bf78
Status: Image is up to date for redis:latest
docker.io/library/redis:latest

What's Next?
View a summary of image vulnerabilities and recommendations → docker scout quickview redis
```

```
C:\Users\LENOVO>docker run --name my-redis-container -d redis
396376007e5021a7ac392df493d56b2c4f0bb68aa20dbcb9fec442a89dd04721
```

3. Run Docker PS and Docker PS -a

```
C:\Users\LENOVO>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
396376007e50	redis	"docker-entrypoint.s..."	52 seconds ago	Up 49 seconds	6379/tcp	my-redis-container
087439a501cb	redis:latest	"docker-entrypoint.s..."	9 minutes ago	Up 9 minutes	6379/tcp	vigorous_chaplygin

```
C:\Users\LENOVO>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
396376007e50	redis	"docker-entrypoint.s..."	About a minute ago	Up About a minute	6379/tcp	my-redis-container
087439a501cb	redis:latest	"docker-entrypoint.s..."	9 minutes ago	Up 9 minutes	6379/tcp	vigorous_chaplygin

4. Run Docker Container and take its console

```
C:\Users\LENOVO>docker exec -it 396376007e50 /bin/bash
root@396376007e50:/data# |
```