

EXPERIMENT 2 :

AIM: Working with Docker (Basic Commands)

Steps to Complete:

1. Search a Redis image on DockerHub

```
> docker search redis
```

NAME	DESCRIPTION	STARS	OFFICIAL
redis	Redis is the world's fastest data platform f...	13036	[OK]
redis/redis-stack-server	redis-stack-server installs a Redis server w...	83	
redis/redis-stack	redis-stack installs a Redis server with add...	118	
redis/redisinsight	Redis Insight - our best official GUI for Re...	17	
bitnami/redis	Bitnami container image for Redis	303	
circleci/redis	CircleCI images for Redis	17	
redislabs/redis	Clustered in-memory database engine compatib...	42	
cimg/redis		2	
bitnamicharts/redis		2	
redis/rdi-monitor		0	
redis/rdi-api		0	
ubuntu/redis	Redis, an open source key-value store. Long...	22	
rapidfort/redis	RapidFort optimized, hardened image for Redi...	21	
webhippie/redis	Docker image for redis	11	
redis/rdi-operator		0	
redis/rdi-processor		0	
elestio/redis	Redis, verified and packaged by Elestio	1	
redis/rdi-cli		0	
redis/rdi-collector-initializer	Init container for RDI Collector	0	
jumpserver/redis	Redis is an open source key-value store tha...	1	
druid/redis		0	
jelastic/redis	An image of the Redis database server mainta...	0	
datasense/redis		0	
sameersbn/redis		84	
wodby/redis	Redis container image with orchestration	2	

- 2.

2. Run Docker Container of Redis Image in background

3. Run Docker PS and Docker PS -a

4. Run Docker Container and take its console

```
> docker pull redis

Using default tag: latest
latest: Pulling from library/redis
14c9d9d19932: Already exists
087347259db5: Pull complete
6d95b2292d1f: Pull complete
b200614dd1c8: Pull complete
db0ef8345871: Pull complete
d63456171513: Pull complete
4f4fb700ef54: Pull complete
131bd26e6f82: Pull complete
Digest: sha256:6725a7dc7a44a6486b9d0a5172b10ccaf0c2ea600df87c0b9345d0e7769297f
Status: Downloaded newer image for redis:latest
docker.io/library/redis:latest

> docker run -d --name my-redis redis
a9bb571539a0636540ab91aef3fb1ddb7103ef5f72297d8435d1aaf2a45b235a

> docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
a9bb571539a0	redis	"docker-entrypoint.s..."	10 seconds ago	Up 10 seconds	6379/tcp	my-redis
72d81f9bf85f	nginx	"/docker-entrypoint..."	35 minutes ago	Up 35 minutes		host_network_container

```
> docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
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