CLOUD COMPUTING
DOCKER ASSIGNMENT

Submitted By:
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Docker is a software technology that provides containers. It provides an additional layer of abstraction and automation.

Following are the screenshots that are obtained running Docker on Windows.

```
docker is configured to use the default machine with IP 192.168.99.100
For help getting started, check out the docs at https://docs.docker.com

Start interactive shell

Sri Sai Anusha@LAPTOP-PJJ8TGV1 MINGW64 ~
$ docker version
Client:
 Version:       17.10.0-ce
 API version:   1.32 (downgraded from 1.33)
 Go version:    go1.8.3
 Git commit:    f4ffd25
 Built:         Tue Oct 17 19:00:02 2017
 OS/Arch:       windows/amd64

Server:
 Version:       17.09.1-ce
 API version:   1.32 (minimum version 1.12)
 Go version:    go1.8.3
 Git commit:    19e2cf6
 Built:         Thu Dec  7 22:28:28 2017
 OS/Arch:       linux/amd64
 Experimental:  false

Sri Sai Anusha@LAPTOP-PJJ8TGV1 MINGW64 ~
$
```



```
Sri Sai Anusha@LAPTOP-PJJ8TGV1 MINGW64 ~
$ docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
ca4f61b1923c: Pull complete
Digest: sha256:be0cd392e45be79ffeffa6b05338b98ebb16c87b255f48e297ec7f98e123905c
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
 $ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
 https://cloud.docker.com/

For more examples and ideas, visit:
 https://docs.docker.com/engine/userguide/


Sri Sai Anusha@LAPTOP-PJJ8TGV1 MINGW64 ~
$
```

MINGW64:/c/Users/Sri Sai Anusha/AppData/Roaming/SPB_16.6

```
Status: Downloaded newer image for hello-world:latest

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Sri Sai Anusha@LAPTOP-PJJ8TGV1 MINGW64 ~
$ docker run -d -p 3546:80 --name webserver nginx
Unable to find image 'nginx:latest' locally
latest: Pulling from library/nginx
bc95e04b23c0: Extracting [============================>]    11.7MB/22.49MB
f3186e650f4e: Downloading [===========>]                 5.045MB/21.95MB
9ac7d6621708: Download complete
```

Type here to search

ENG
US 19:39
08-12-2017

MINGW64:/c/Users/Sri Sai Anusha/AppData/Roaming/SPB_16.6

```
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latest: Pulling from library/nginx
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f3186e650f4e: Pull complete
9ac7d6621708: Pull complete
Digest: sha256:b81f317384d7388708a498555c28a7cce778a8f291d90021208b3eba3fe74887
Status: Downloaded newer image for nginx:latest
028f1456b5df79a2c096e47f9c602918fd940a37f679f228ecf872b72184d60d

Sri Sai Anusha@LAPTOP-PJJ8TGV1 MINGW64 ~
$
```

Your nginx webs

You should see the welcome message from nginx server.

← → C ① localhost:3546

Type here to search

ENG
US 19:41
08-12-2017