

IN cmd Prompt:

- ssh-keygen
- paste ssh id

IN DOCKER COMMAD:

- docker pull sequenceiq/hadoop-docker:latest
- docker run -it -p 50070:50070 -p 8088:8088 -p 8042:8042 sequenceiq/hadoop-docker:latest /etc/bootstrap.sh -bash
- cd usr/local/hadoop/
- vi input/data.txt
- bin/hadoop fs -mkdir /input
- bin/hadoop fs -put input/data.txt /input
- bin/hadoop jar share/hadoop/mapreduce/hadoop-mapreduce-example-2.7.0.jar wordcount /input/data.txt /output
- bin/hdfs dfs -cat /output/*

```

#define BLYNK_TEMPLATE_ID "TMPL3gzv7xkjV"
#define BLYNK_TEMPLATE_NAME "PAAS"
#define BLYNK_AUTH_TOKEN "aJ_KsN6wGmbZ7s2GnBc1opWwCuKdp4zS"
#define BLYNK_PRINT Serial
#define LED 26
#include <WiFi.h>
#include <BlynkSimpleEsp32.h>
#include <DHTesp.h>

char auth[] = BLYNK_AUTH_TOKEN ;

char ssid[] = "Wokwi-GUEST";
char pass[] = "";

const int DHT_PIN = 15;
DHTesp dht;

BlynkTimer timer;

void sendSensor()
{
    TempAndHumidity data = dht.getTempAndHumidity();

    Serial.print("Temperature: ");
    Serial.print(data.temperature);
    Serial.println(" C ");
    Serial.print("Humidity: ");
    Serial.print(data.humidity);
    Serial.println(" % ");

    Blynk.virtualWrite(V0, data.temperature);
    Blynk.virtualWrite(V1, data.humidity);
}

```

```

int SW_State=0;

BLYNK_WRITE (V2)
{
    SW_State = param.asInt();
    if (SW_State == 1)
    {
        digitalWrite(LED, HIGH);
        Serial.println("LAMP ON");
        Blynk.virtualWrite(V1, HIGH);
    }
    else
    {
        digitalWrite(LED, LOW);
        Serial.println("LAMP OFF");
        Blynk.virtualWrite(V1, LOW);
    }
}

void setup()
{
    // Debug console
    Serial.begin(115200);
    dht.setup(DHT_PIN, DHTesp::DHT22);

    Blynk.begin(auth, ssid, pass);
    timer.setInterval(1000, sendSensor);
    pinMode(LED, OUTPUT);
}

void loop()
{
    Blynk.run();
    timer.run();
}

```

- gcloud auth login
- gcloud projects list
- gcloud config set project project-ID
- google-cloud-sdk\bin\dev_appserver.py " folder_path"
- gcloud projects create project_name

EX:4 Install Google App Engine. Create hello world app and other web applications using python/java

- gcloud auth login
- gcloud projects create project_name
- gcloud projects list
- gcloud config set project project_ID
- gcloud app create
- 6
- gcloud app deploy
- git clone <https://github.com/GoogleCloudPlatform/python-docs-sample>
- cd python-docs-samples/appengine/standard/hello_world/
- dev_appserver.py app.yaml

ex 5,ex 7

```
#!/bin/bash
```

```
yum update -y
```

```
yum -y install httpd
```

```
systemctl enable httpd
```

```
systemctl start httpd
```

```
echo '<html><h1>Hello World!</h1></html>' > /var/www/html/index.html
```

ex 6

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "PublicReadGetObject",
      "Effect": "Allow",
      "Principal": "*"
    }
  ]
}
```

```
"Action":[
  "s3:GetObject"
],
"Resource":[
  "arn:aws:s3:::example-bucket/*"
]
}
]
}
```