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CMPT353 - A1

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## **Part A:**

### **A1] pull**

It pulls an image or repository from a registry. If won't have on local it downloads images from docker hub with this command.

Example: `docker pull node:latest`

### **A2] build**

It builds an image from a Dockerfile. Or from a URL.

Example: `docker build -t harshil/node`

or

`docker build [OPTIONS] PATH | URL | -`

### **A3] run**

It runs a command in a new container.

Example: `docker run -d -p80:8080 username/eg-app`

`Docker run -it Harshil/node`

## **Part B:**

For cmd:

`docker pull python:latest`

`docker build -t py/python`

`docker run -d -p80:8080 py/python`

for Dockerfile:

FROM python:latest

EXPOSE 8080

CMD[`"/bin/bash"`]

### Part C:

```
'use strict';

// load package
const express = require('express');
const bodyParser = require("body-parser");
const fs = require('fs')

const PORT = 8080;
const HOST = '0.0.0.0';
const app = express();

app.use(bodyParser.urlencoded({ extended: true }));

app.post('/save', (req,res) => {
    var topic = req.body.topic;
    var comment = req.body.comment;
    var name = req.body.name;

    fs.writeFile('feedback.txt/' + topic + name + comment, { flag:
'a+' }, err => {
        if (err) {
            console.error(err)
            return
        }
        res.send("ok");
    });
});

app.use('/', express.static('feedback.txt'));

app.listen(PORT, HOST);

console.log('up and running');
```