



National Textile University

Department of Computer Science

Subject:
Operating System

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5

A screenshot of a Windows desktop environment. At the top is the taskbar with icons for File Explorer, Task View, Start, Taskbar settings, and system status. The main window is a Microsoft Visual Studio Code (VS Code) instance. The title bar says "Docker-App". The left sidebar shows a file tree with a "DOCKER APP" folder containing "node_modules", "public", "Dockerfile", and "index.js". The "index.js" file is selected and open in the center editor pane, displaying the following code:

```
1 import express from 'express'
2 const app=express()
3 
4 app.use(express.static("public"))
5 
6 function handler (request, response)
7 {
8     response.sendFile('/index.html');
9 }
10 
11 app.get('/', handler)
12 app.listen(3030)
```

The bottom right of the VS Code interface shows a terminal window with the following log output:

```
>> [4/5] COPY package.json .
>> [5/5] RUN npm i
>> exporting to image
>> exporting layers
>> exporting manifest sha256:03406f1955cb7e39fb5cb6d10b5dd54b152373a9d6f302034643c081ed312ad2
=>> exporting config sha256:88dc4d2c438b66b7c751008e8ade234f7fd7aabcb6ca116de5
=>> exporting attestation manifest sha256:fed720b7368ee28095050932892332851fc6858a49efc981a3b0063fe772b
=>> exporting manifest list sha256:4c4ce15bf7d789f9a7a4f86c048c3bc54c1d70750d3414a9e3358e02695d37f
=>> naming to docker.io/library/my-first-server1latest
=>> unpacking to docker.io/library/my-first-server1latest
```

The terminal also shows the command: `ps D:\Docker-App\ docker run -d -p 3030:3030 my-first-server1`. The status bar at the bottom of the VS Code window indicates "In 13, Col 1" and "4:00 PM 12/19/2025".

