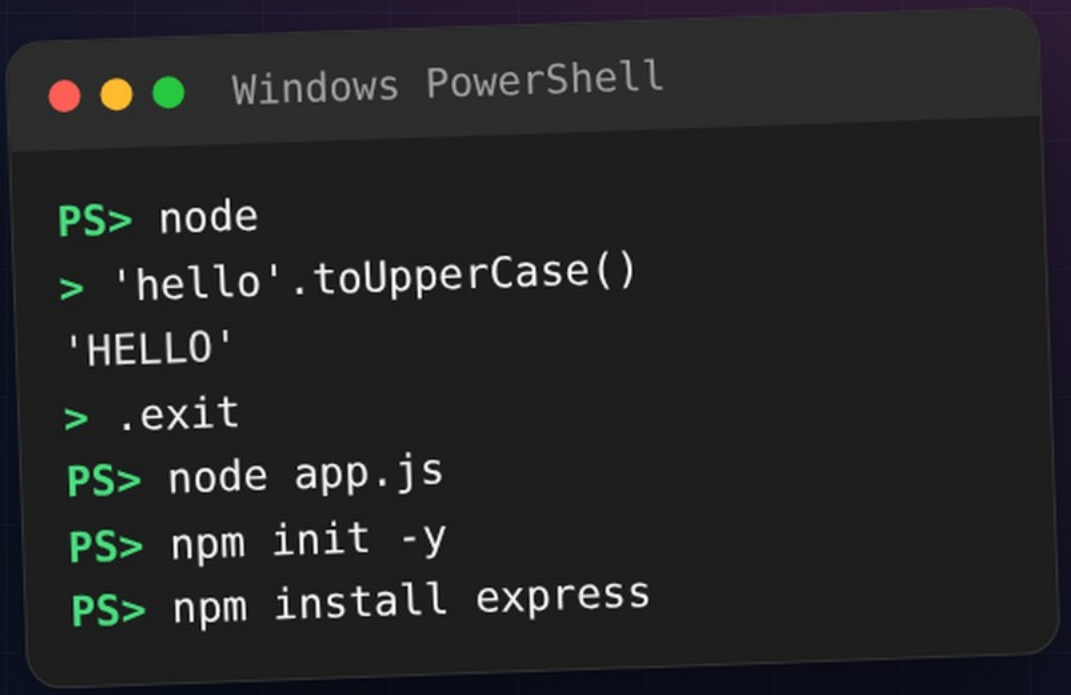
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PyCharm & Node

Python + JS on Windows



LESSON 5

PyCharm & Node.js on Windows: Python and JavaScript Setup

PyCharm · Node

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PART 1 OF 5

Install Python First

1. winget install Python.Python.3.14
2. python --version to check
3. py launcher picks the version

Windows PowerShell

```
PS> winget install Python.Python.3.14
PS> python --version
PS> py -0          # list installed versions
```

PART 2 OF 5

Install PyCharm

1. Download: jetbrains.com/pycharm
2. One product: core features free
3. New Project creates a venv

Windows Terminal

```
https://www.jetbrains.com/pycharm/

File > New Project
  Location    : C:\projects\analysis
  Interpreter : Project venv (Python 3.14)
```

PART 3 OF 5

PyCharm Superpowers

1. A venv per project
2. Breakpoints & step-through debugging
3. Jupyter notebooks built in

Windows Terminal

```
# analysis.py
import pandas as pd

df = pd.read_csv('sales.csv')
print(df.describe())    # ● breakpoint
```

PART 4 OF 5

Install Node.js

1. winget install OpenJS.NodeJS.LTS
2. Choose LTS: long-term support
3. node -v and npm -v to check

Windows PowerShell

```
PS> winget install OpenJS.NodeJS.LTS
PS> node -v
PS> npm -v
```

PART 5 OF 5

Run JavaScript with Node

1. node: interactive prompt
2. node app.js: run a file
3. npm init -y · npm install express

Windows PowerShell

```
PS> node
> 'hello'.toUpperCase()
'HELLO'
> .exit
PS> node app.js
PS> npm init -y
PS> npm install express
```

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