

Day 9

DevOps with AWS Engineering

Linux Part 6

Kab tak saara kaam khud karoge, thoda
automate karlo

#75DaysOfDevOps





Thought of the day

Kuch to log **kahenge**, logo ka kaam hai **kehna**..Tu chil reh mere **dost**, kyuki tera kaam hai, tere **kaam ke sath flow me behna**

Aaj ka Kahani

Apni seat belts kriypya badh lijiye



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What are Shell Scripts

2

Running Shell Scripts

3

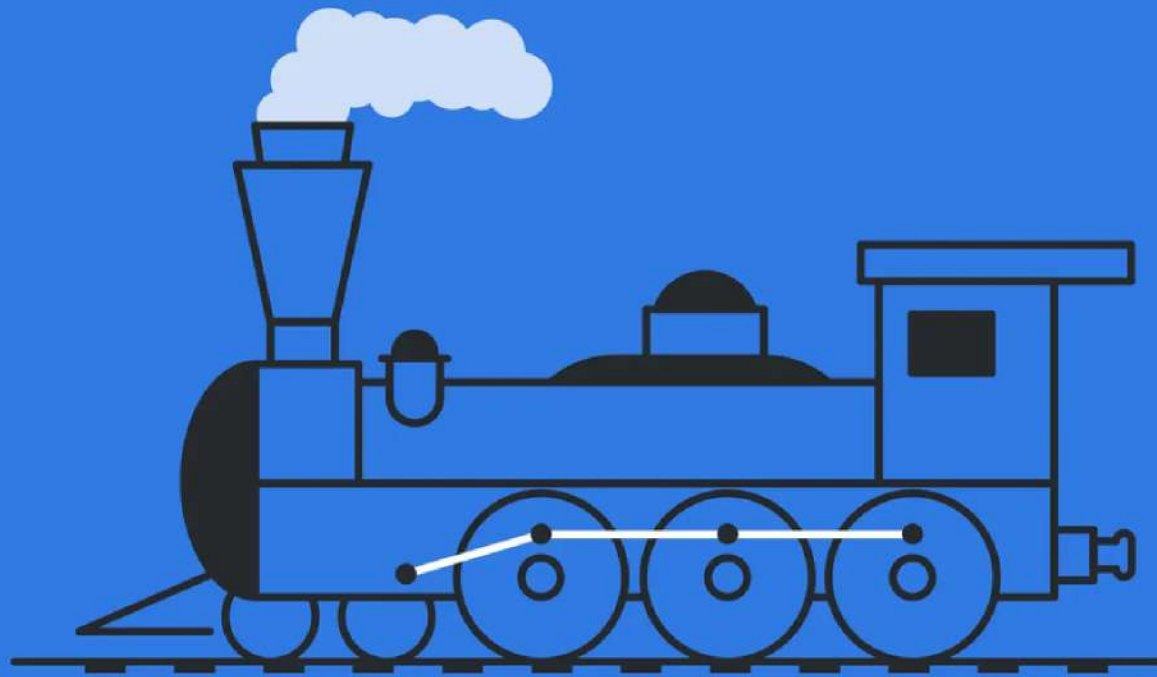
Basic shell scripting

4

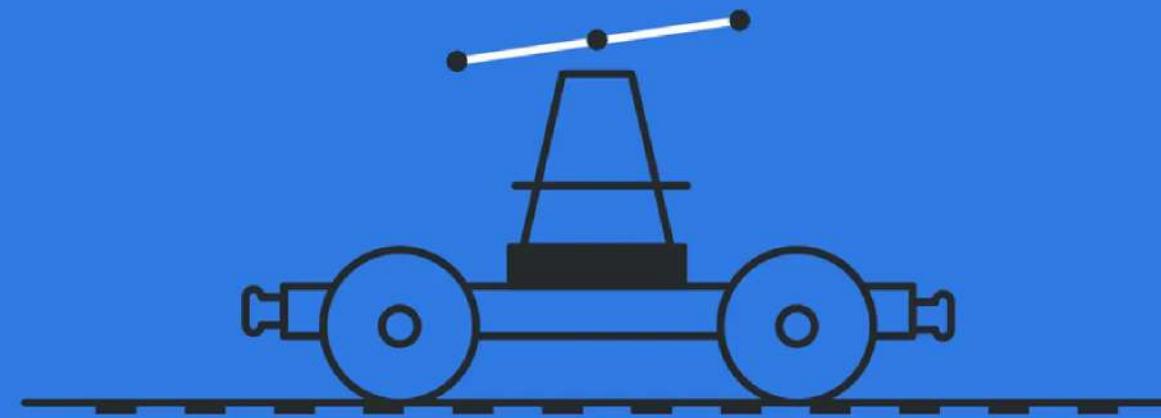
Examples

What is Shell Scripting?

Automate your process with Shell Script



WITH AUTOMATION



WITHOUT AUTOMATION

What is Shell Scripting?

- **Automation:** Automate routine tasks to save time and reduce errors.
- **Efficiency:** Combine multiple commands into a single script.
- **Consistency:** Ensure tasks are performed the same way each time.
- **Portability:** Write scripts that can run on any Unix-based system.

Basic Shell scripting

```
sh

#!/bin/bash

# Use the echo command to display a line of text
echo "Hello, World!"

# Define a variable to store data
name="Ankit"

# Use the echo command to display the value of the variable
echo "Hello, $name"
```

- 3. Conditional Statements
Execute commands based on conditions.

```
if [ "$name" = "Vidhya" ]; then
    echo "Welcome, Nikhil!"
fi
```

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- 4. Loops
Repeat commands multiple times.

```
for i in 1 2 3 4 5
do
    echo "Looping ... number $i"
done
```

- 5. Functions
Group commands into a reusable unit.

```
greet() {
    echo "Hello, $1!"
}
```

```
greet "Ankit"
```

Conditional Statement

bash

 Copy code

```
#!/bin/bash

# Use the echo command to display a line of text
echo "Hello, World!"

# Define a variable to store data
name="Ankit"

# Use the echo command to display the value of the variable
echo "Hello, $name"

# Conditional Statements
# Execute commands based on conditions.
if [ "$name" = "Vidhya" ]; then
    echo "Welcome, $name!"
fi
```

Conditional Statement

bash

 Copy code

```
# Loops
# Repeat commands multiple times.

for i in {1..5} # Using brace expansion for clarity
do
    echo "Looping ... number $i"
done
```


Conditional Statement

bash

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```
# Functions
# Group commands into a reusable unit.

greet() {
    echo "Hello, $1!"
}

greet "Ankit"
```

Let's see run real example

bash

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```
#!/bin/bash

# Ensure node and npm are installed
if ! command -v node &> /dev/null; then
    echo "Node.js is not installed. Installing..."
    sudo apt update
    sudo apt install nodejs npm -y
fi

# Navigate to the application directory
cd /path/to/mynodeapp

# Install dependencies
npm install

# Run the Node.js application
node app.js
```

Questions

Puchlo **saawal**, kuch na kuch naya mil hi jayega :D