

ASSIGNMENT

1. Simple echo command with parameter

Create a freestyle project, name it whatever you like.

In your project, create one string parameter named “message.”

In your project, create a build step that is “execute Windows batch command”.

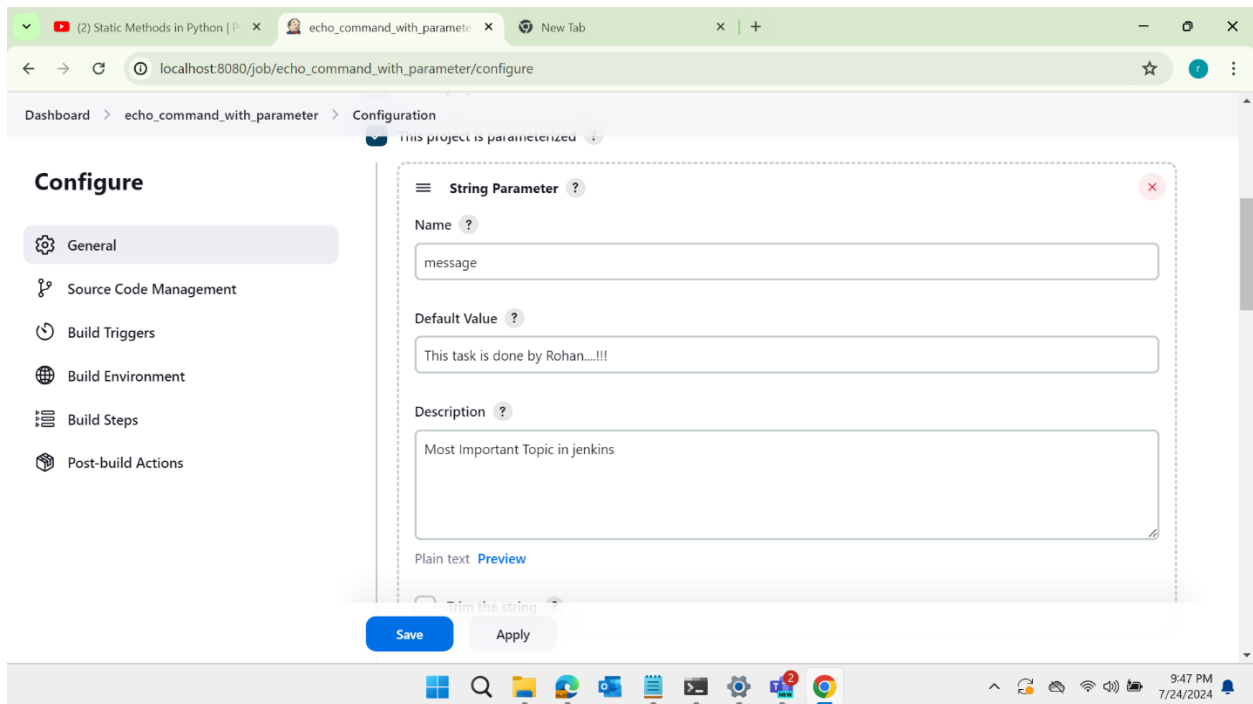
In this step, execute an echo command that prints out the message from the message parameter.

Save the project.

Run your job with a message in the parameter field.

If it fails, troubleshoot the issues.

Please send a screenshot of the output of a successful job run.



localhost:8080/job/echo_command_with_parameter/configure

Dashboard > echo_command_with_parameter > Configuration

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps**
- Post-build Actions

☐ With Ant ?

Build Steps

Execute Windows batch command ?

Command

See [the list of available environment variables](#)

```
echo %message%
```

Advanced ▾

Add build step ▾

Save Apply

localhost:8080/job/echo_command_with_parameter/2/console

Dashboard > echo_command_with_parameter > #2 > Console Output

Jenkins

Search (CTRL+K) admin log out

- Status
- Changes
- Console Output**
 - View as plain text
- Edit Build Information
- Delete build '#2'
- Parameters
- Timings
- Previous Build

Console Output

```
Started by user admin
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\workspace\echo_command_with_parameter
[echo_command_with_parameter] $ cmd /c call C:\Windows\TEMP\jenkins3702632141056206649.bat

C:\ProgramData\Jenkins\workspace\echo_command_with_parameter>echo This task is done by Rohan....!!!
This task is done by Rohan....!!!

C:\ProgramData\Jenkins\workspace\echo_command_with_parameter>exit 0
Finished: SUCCESS
```

Create a script that does the following:

- The script should use the argparse module to handle command line arguments.
- The user should provide a message using the -m or --message option.
- If a message is not provided, the script should display an error message and show the usage instructions.
- If a message is provided, the script should print it to the screen.

Afterwards, create a Jenkins job that does the following:

Create a freestyle project, name it whatever you like.

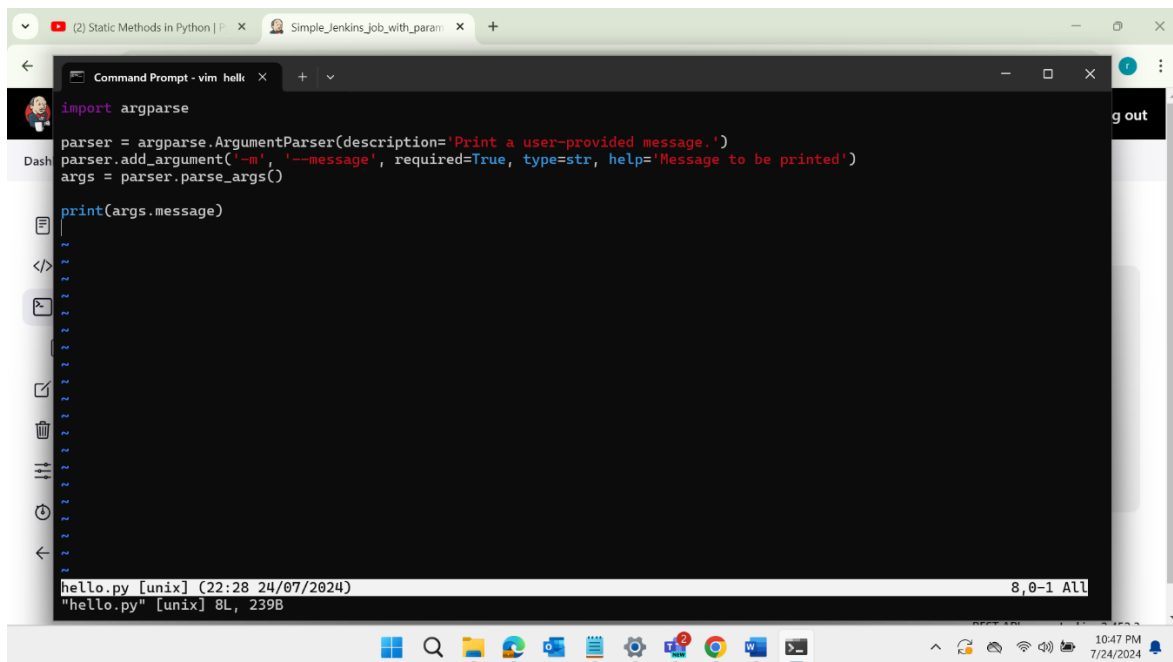
In your project, create one string parameter named “message.”

In your project, create a build step that is “execute Windows batch command”.

In this step, execute the python script you just made with the message option using the message parameter.

Save the project.

Run your job with a message in the parameter field.



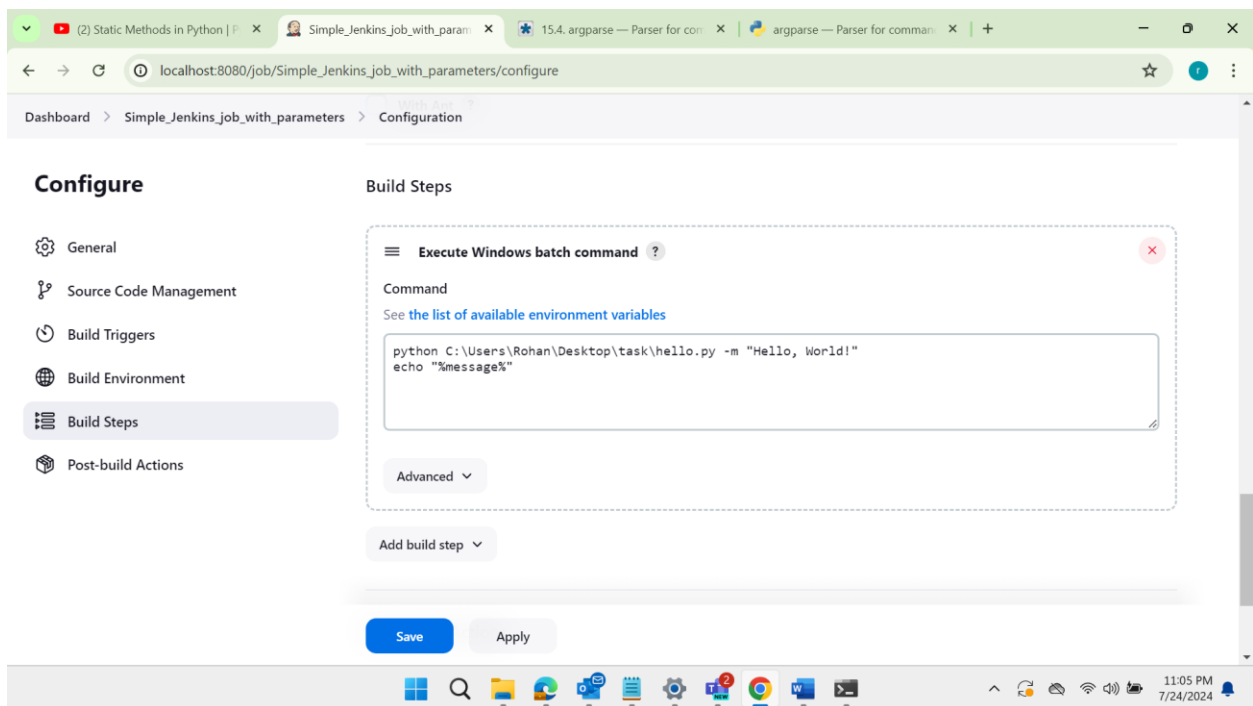
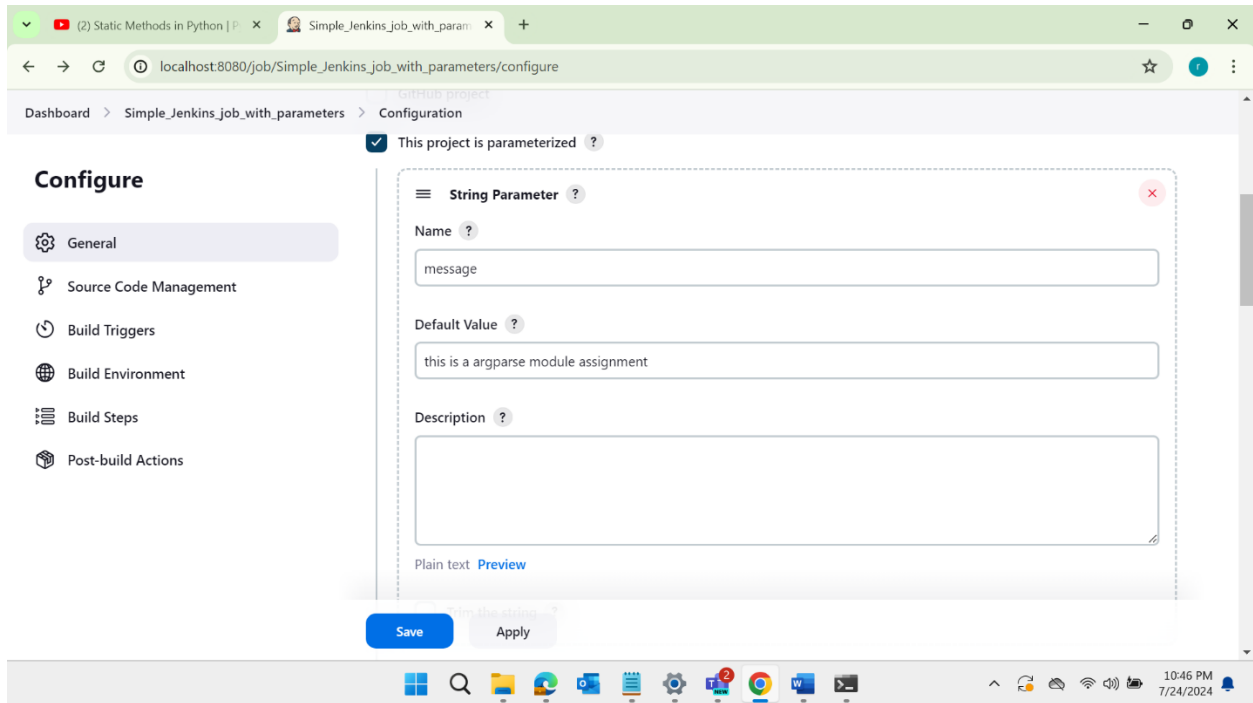
The screenshot shows a web browser with two tabs. The first tab is titled "(2) Static Methods in Python | P" and the second is "Simple_Jenkins_job_with_param". The main content area displays the Jenkins job configuration page for "Simple_Jenkins_job_with_param". The "Parameters" section shows a string parameter named "message" with a value of "hello.py". The "Build" section shows a build step named "Execute Windows batch command" with a command of "python hello.py -m %message%". The "Console output" section shows the output of the build step, which is "hello.py [unix] (22:28 24/07/2024) 8,0-1 All". The terminal window at the bottom shows the command prompt running the Python script, which prints the message "hello.py" [unix] 8L, 239B.

```
import argparse

parser = argparse.ArgumentParser(description='Print a user-provided message.')
parser.add_argument('-m', '--message', required=True, type=str, help='Message to be printed')
args = parser.parse_args()

print(args.message)
```

hello.py [unix] (22:28 24/07/2024) 8,0-1 All
"hello.py" [unix] 8L, 239B



Dashboard > Simple_Jenkins_job_with_parameters > #7 > Console Output

Status

Changes

Console Output

View as plain text

Edit Build Information

Delete build '#7'

Parameters

Timings

Previous Build

✓ Console Output

```
Started by user admin
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\workspace\Simple_Jenkins_job_with_parameters
[Simple_Jenkins_job_with_parameters] $ cmd /c call C:\Windows\TEMP\jenkins17144292064486233729.bat

C:\ProgramData\Jenkins\workspace\Simple_Jenkins_job_with_parameters>python
C:\Users\Rohan\Desktop\task\hello.py -m "Hello, World!"
Hello, World!

C:\ProgramData\Jenkins\workspace\Simple_Jenkins_job_with_parameters>echo "this is a argparse module
assignment"
"this is a argparse module assignment"

C:\ProgramData\Jenkins\workspace\Simple_Jenkins_job_with_parameters>exit 0
Finished: SUCCESS
```

REST API Jenkins 2.452.3

11:05 PM 7/24/2024