

Program 9

Aim: To run Yarn Commands in Python

Procedure:

In Python, you can use the ``subprocess`` module to run Yarn commands within your Python script. Here's an example of a Python script that uses Yarn to install a JavaScript package.

In this script:

1. We import the ``subprocess`` module to execute Yarn commands from within Python.
2. We define the name of the JavaScript package we want to install, in this case, "axios."
3. We construct the Yarn command using an f-string, which includes the ``yarn add`` command followed by the package name.
4. We use ``subprocess.run()`` to run the Yarn command. The ``shell=True`` argument allows us to run the command in a shell environment, and ``check=True`` ensures that an exception is raised if the Yarn command fails.
5. We handle any errors that may occur during the Yarn command execution and print a success message if the package installation is successful.

You can customize this script by changing the ``package_name`` variable and the Yarn command to install the specific JavaScript package you need. Make sure you have Yarn and Node.js installed in your environment before running this script.

Code:-

```
!curl -sL https://deb.nodesource.com/setup_14.x | sudo -E bash -  
!sudo apt-get install -y nodejs  
!npm install -g yarn  
!yarn --version  
!yarn init -y  
!yarn add axios
```

```
!yarn start
```

```
import subprocess
```

```
# Define the Yarn command to install a package
```

```
package_name = "axios"
```

```
yarn_command = f"yarn add {package_name}"
```

```
try:
```

```
    # Run the Yarn command using subprocess
```

```
    subprocess.run(yarn_command, shell=True, check=True)
```

```
    print(f"Successfully installed {package_name} using Yarn.")
```

```
except subprocess.CalledProcessError as e:
```

```
    print(f"Error: Yarn command failed with error code {e.returncode}.")
```

output:-

```
> yarn@1.22.19 preinstall /usr/lib/node_modules/yarn
```

```
> :: (node ./preinstall.js > /dev/null 2>&1 || true)
```

```
/usr/bin/yarn -> /usr/lib/node_modules/yarn/bin/yarn.js
```

```
/usr/bin/yarnpkg -> /usr/lib/node_modules/yarn/bin/yarn.js
```

```
+ yarn@1.22.19
```

```
added 1 package in 0.703s
```

```
1.22.19
```

```
yarn init v1.22.19
```

```
warning The yes flag has been set. This will automatically answer yes to all questions, which may have security implications.
```

```
success Saved package.json
```

```
Done in 0.02s.
```

```
yarn add v1.22.19
```

```
info No lockfile found.
```

```
[1/4] Resolving packages...
```

```
[2/4] Fetching packages...
```

```
[ ] 0/9 [ ] 7/9 [ ] 8/9 [3/4] Linking dependencies...
```

```
[ ] 0/9 [ ] 0/144 [ ] 0/18 [4/4] Building fresh packages...
```

```
success Saved lockfile.
```

```
success Saved 9 new dependencies.
```

```
info Direct dependencies
```

```
└─ axios@1.5.0
```

```
info All dependencies
```

|— asynckit@0.4.0
|— axios@1.5.0
|— combined-stream@1.0.8
|— delayed-stream@1.0.0
|— follow-redirects@1.15.2
|— form-data@4.0.0
|— mime-db@1.52.0
|— mime-types@2.1.35
|— proxy-from-env@1.1.0

Done in 0.75s.

yarn run v1.22.19

error Command "start" not found.

info Visit <https://yarnpkg.com/en/docs/cli/run> for documentation about this command.

Successfully installed axios using Yarn.