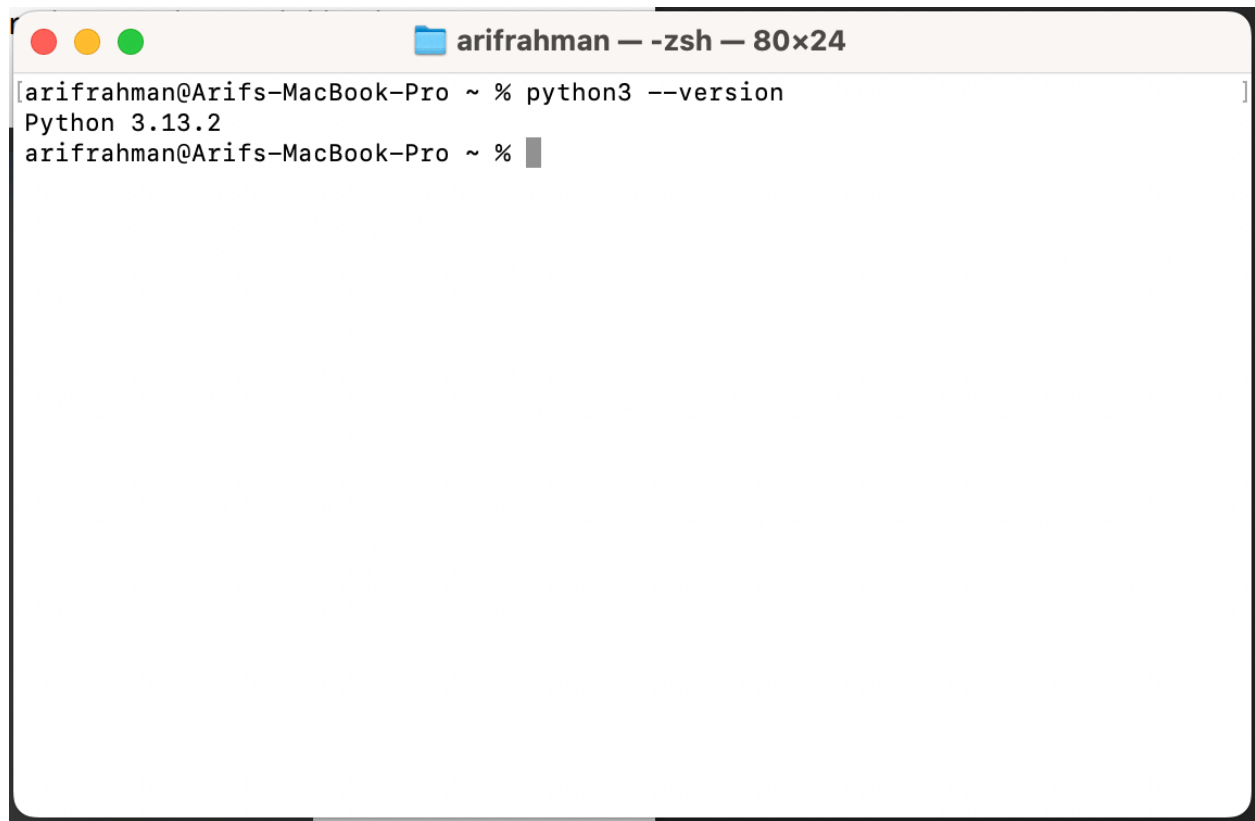


## Lab 01

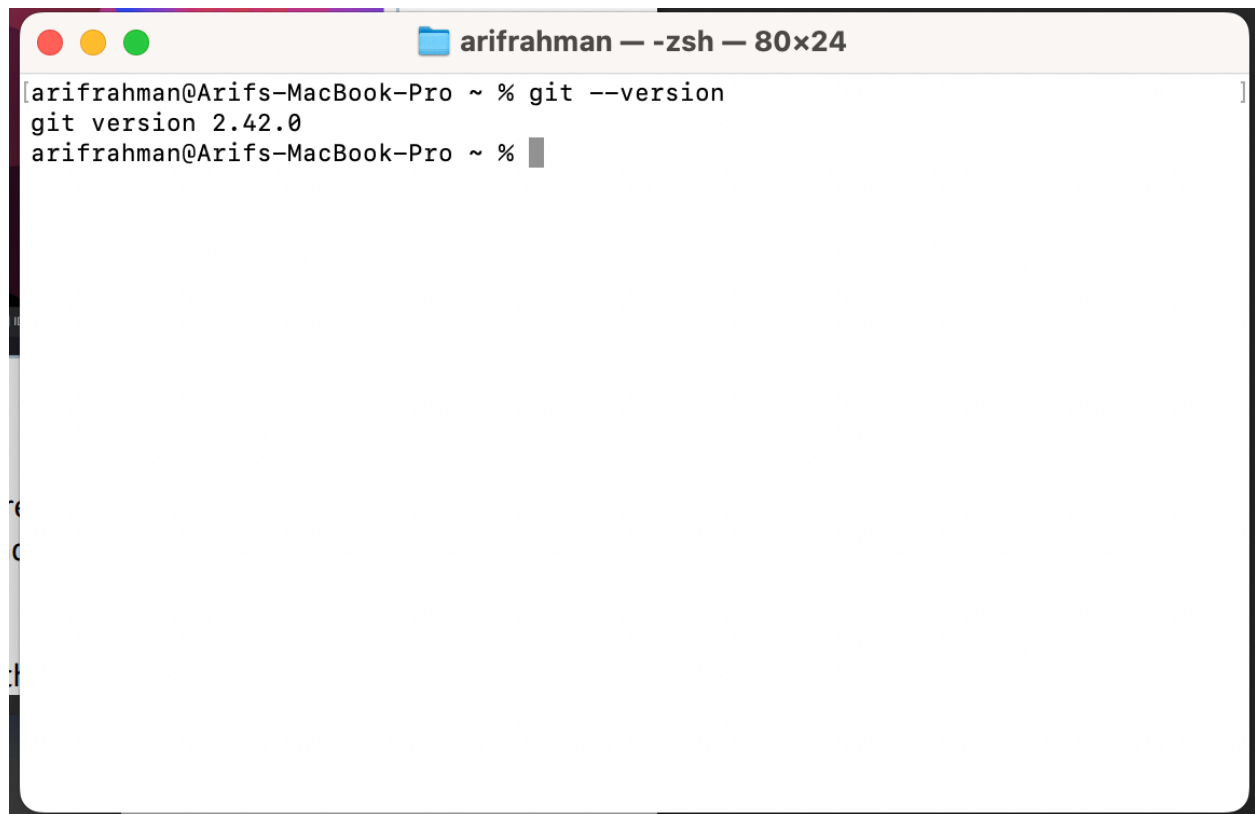
### Task 01:



A terminal window titled "arifrahman — -zsh — 80x24" with standard macOS window controls (red, yellow, green buttons). The terminal shows a command being executed and its output.

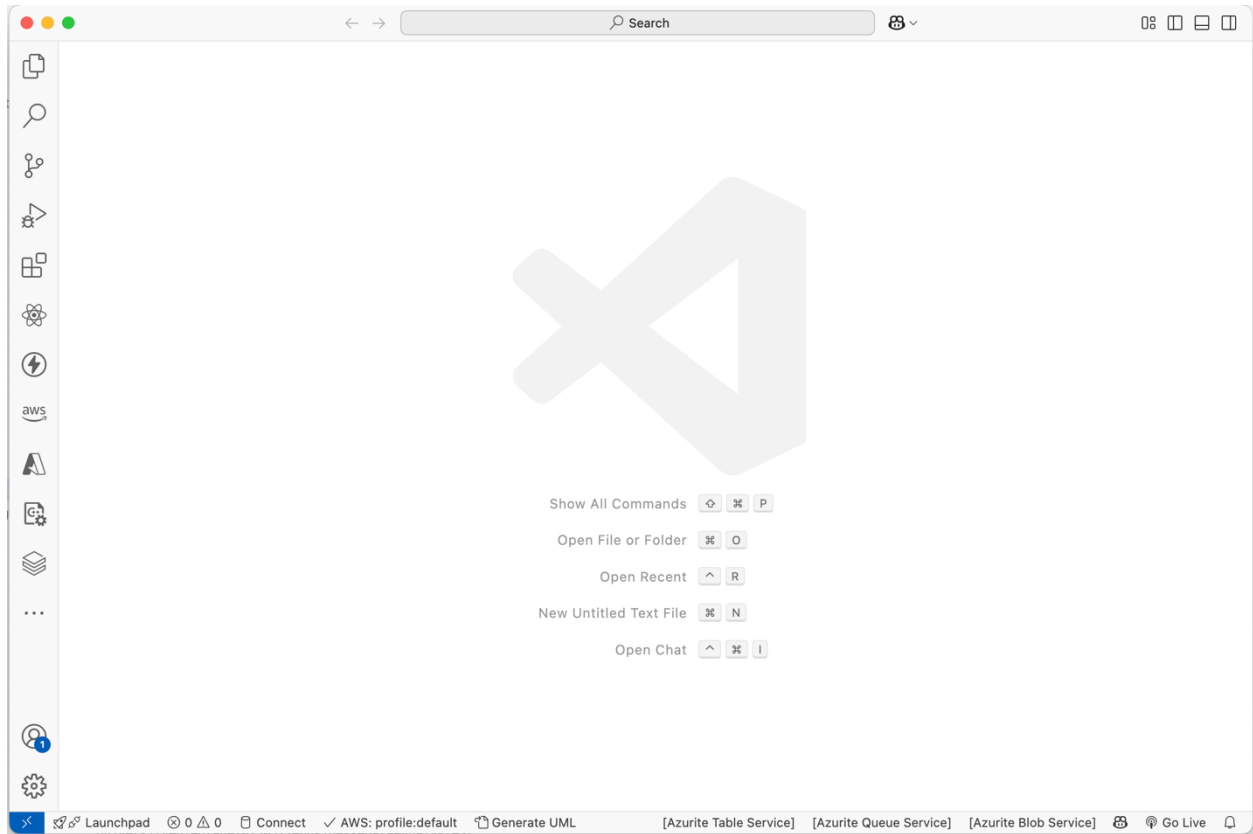
```
[arifrahman@Arifs-MacBook-Pro ~ % python3 --version  
Python 3.13.2  
arifrahman@Arifs-MacBook-Pro ~ % █
```

Task 02:

A screenshot of a macOS terminal window. The title bar at the top shows three colored window control buttons (red, yellow, green) on the left, followed by a folder icon and the text "arifrahman — -zsh — 80x24". The terminal content shows a command prompt "arifrahman@Arifs-MacBook-Pro ~ %" followed by the command "git --version". The output of the command is "git version 2.42.0". Below the output, the prompt "arifrahman@Arifs-MacBook-Pro ~ %" is shown again with a cursor. The terminal window has a white background and a dark border.

```
arifrahman@Arifs-MacBook-Pro ~ % git --version
git version 2.42.0
arifrahman@Arifs-MacBook-Pro ~ %
```

### Task 03:



#### Task 04:

```
• (.venv) arifrahman@Arifs-MacBook-Pro Lab 01 % python3 -m productmgmtapp.app
```

```
----- JSON Format -----
```

```
[
  {
    "productId": 9189927460,
    "name": "Carrot",
    "dateSupplied": "2023-03-31",
    "quantityInStock": 89,
    "unitPrice": 2.99
  },
  {
    "productId": 2927458265,
    "name": "Apple",
    "dateSupplied": "2022-12-09",
    "quantityInStock": 18,
    "unitPrice": 1.09
  },
  {
    "productId": 3128874119,
    "name": "Banana",
    "dateSupplied": "2023-01-24",
    "quantityInStock": 124,
    "unitPrice": 0.55
  }
]
```

```
----- XML Format -----
```

```
<?xml version="1.0" ?>
<products>
  <product>
    <productId>9189927460</productId>
    <name>Carrot</name>
    <dateSupplied>2023-03-31</dateSupplied>
    <quantityInStock>89</quantityInStock>
    <unitPrice>2.99</unitPrice>
  </product>
  <product>
    <productId>2927458265</productId>
    <name>Apple</name>
    <dateSupplied>2022-12-09</dateSupplied>
    <quantityInStock>18</quantityInStock>
    <unitPrice>1.09</unitPrice>
  </product>
  <product>
    <productId>3128874119</productId>
    <name>Banana</name>
    <dateSupplied>2023-01-24</dateSupplied>
    <quantityInStock>124</quantityInStock>
    <unitPrice>0.55</unitPrice>
  </product>
</products>
```

```
----- CSV Format -----
```

```
productId,name,dateSupplied,quantityInStock,unitPrice
9189927460,Carrot,2023-03-31,89,2.99
2927458265,Apple,2022-12-09,18,1.09
3128874119,Banana,2023-01-24,124,0.55
```

```
• (.venv) arifrahman@Arifs-MacBook-Pro Lab 01 %
```