

## TASK AUTOMATION WITH PYTHON

Method 1: Extract all email addresses from a .txt file

```
import re

input_file = 'input.txt'
output_file = 'emails.txt'

# Read text from file
with open(input_file, 'r') as file:
    text = file.read()

# Find all email addresses
emails = re.findall(r'[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}', text)

# Save emails to a new file
with open(output_file, 'w') as file:
    for email in emails:
        file.write(email + '\n')

print(f"✅ {len(emails)} email(s) extracted to {output_file}.")
```

OR

Method 2: Scrape the title of a fixed webpage and save it

```
import requests
import re
```

```
url = "https://example.com" # Change this to your desired website

response = requests.get(url)

# Extract title using regex
title_match = re.search(r'<title>(.*?)</title>', response.text, re.IGNORECASE)

if title_match:
    title = title_match.group(1)
    with open("page_title.txt", "w") as file:
        file.write(title)
    print(f"✅ Page title saved: {title}")
else:
    print(f"❌ Title not found.")
```