

# Task Automation - Extract Emails with Python

```
import re

# Input and output file paths
input_file = "sample_text.txt"
output_file = "extracted_emails.txt"

# Read the content of the input file
with open(input_file, "r") as file:
    content = file.read()

# Regular expression pattern to extract email addresses
email_pattern = r"[\w\.-]+@[\w\.-]+"
emails = re.findall(email_pattern, content)

# Remove duplicates and save to output file
unique_emails = sorted(set(emails))
with open(output_file, "w") as file:
    for email in unique_emails:
        file.write(email + "\n")

print(f"{len(unique_emails)} unique email(s) extracted and saved to {output_file}.")
```

## Sample Input

Here are some email addresses:  
john.doe@example.com, jane\_doe123@website.org  
Contact support at support@company.com  
Another line without email.  
Duplicate: john.doe@example.com

## Sample Output

Extracted Emails:  
jane\_doe123@website.org  
john.doe@example.com  
support@company.com

3 unique email(s) extracted and saved to extracted\_emails.txt.