**Task No 2**

**Python Programming**

**Name: Hamna Jahangir**

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**Code:**

import requests

from bs4 import BeautifulSoup

import csv

# URL of the website to scrape

url = 'http://books.toscrape.com/'

try:

# Send a GET request to the website

response = requests.get(url)

# Check if the request was successful

response.raise\_for\_status()

# Parse the content of the request with BeautifulSoup

soup = BeautifulSoup(response.content, 'html.parser')

# Find all book containers

books = soup.find\_all('article', class\_='product\_pod')

# Open a CSV file to write the data

with open('books.csv', 'w', newline='', encoding='utf-8') as csvfile:

# Define the fieldnames

fieldnames = ['Title', 'Price']

# Create a CSV DictWriter object

writer = csv.DictWriter(csvfile, fieldnames=fieldnames)

# Write the header

writer.writeheader()

# Iterate over the books and extract data

for book in books:

# Extract the title

title = book.h3.a['title']

# Extract the price

price = book.find('p', class\_='price\_color').get\_text(strip=True)

# Write the row to the CSV file

writer.writerow({'Title': title, 'Price': price})

print("Data has been written to books.csv")

except requests.exceptions.RequestException as e:

print(f"Failed to retrieve the webpage: {e}")

except Exception as ex:

print(f"An error occurred: {ex}")

**Output:**



