# Import required libraries

from selenium import webdriver

from selenium.webdriver.common.by import By

from selenium.webdriver.common.keys import Keys

import time

# Initialize webdriver (Make sure chromedriver is in your PATH or specify its location)

driver = webdriver.Chrome()

# Step 1: Open amazon.in

driver.get("https://www.amazon.in")

# Step 2: Search for 'lg soundbar'

search\_box = driver.find\_element(By.ID, "twotabsearchtextbox")

search\_box.send\_keys("lg soundbar")

search\_box.send\_keys(Keys.RETURN)

time.sleep(3) # Wait for the results page to load

# Step 3: Read product names and associated prices on the first search result page

product\_details = []

product\_elements = driver.find\_elements(By.XPATH, "//div[@data-component-type='s-search-result']")

for product in product\_elements:

try:

# Get product name

product\_name = product.find\_element(By.TAG\_NAME, "h2").text

# Try to get the price, if not present, consider it as zero

try:

price = product.find\_element(By.XPATH, ".//span[@class='a-price-whole']").text

price = int(price.replace(",", "")) # Remove commas and convert to integer

except:

price = 0 # Consider price as zero if not found

product\_details.append((price, product\_name))

except Exception as e:

print(f"Error: {e}")

continue

# Step 4: Sort the products by price (ascending)

sorted\_products = sorted(product\_details)

# Step 5: Print products one by one (sorted by price)

for price, name in sorted\_products:

print(f"{price} {name}")

# Close the driver

driver.quit()