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Section 8A

Task 1:

Approach to solve this problem:

· **Fetch Page** Used requests to get the HTML.
· **Parse Content** Used BeautifulSoup to extract data.

· **Extract Info** Name<span class="highlight"> ,Introductory text<p> and Social Media Links used this loop: for link in soup.find_all('a', href=True):

·

Fidings:

Page fetched successfully.
Name, intro text, and social links were found.


```
Creator's Name is: Mannan Ul Haq

Introductory Text:   Associate Data Scientist I'm a Data Science student at FAST-NUCES, Lahore, deeply passionate about data science, AI, and machine learning. I thrive on diving int
At CodeTechMentor, you'll find a wealth of resources designed to equip you with the skills and knowledge needed to thrive in the rapidly evolving digital landscape. From beginner-fr:
As we dive into the world of coding, we'll explore various programming languages, frameworks, and tools that are essential in today's tech industry. Whether you're interested in web

Social Media Links:
- Facebook: https://www.facebook.com/profile.php?id=100092711120509
- Instagram: https://www.instagram.com/codetechmentor/
- Linkedin: https://www.linkedin.com/in/mannan-ul-haq-5578b721b/
- Com/mannanulhaq: https://github.com/MannanUlHaq
```

Task 2:

Approach to solve this problem:

· **Fetch Page** Used requests to get HTML.
· **Parse Content** Used BeautifulSoup to extract data.

· **Extract Info** Tablets names<'div', class_='p-title bold h5'>,Price<'div', class_='price-box p1'>,Discounts<'div', class_='price-diff-saving'>,Discontinued Products<'a', class_='fadeProduct>

· **Handle Missing Data** Skipped missing or unavailable details.

Fidings:

Page fetched successfully.
Tablet names, prices, and discounts extracted.

```
Tablet Name: Samsung Galaxy Tab S8 Plus (X800)
Price: Rs  191,999
Discount: 23% OFF
-------------------------------------------------
Tablet Name: Samsung Galaxy Tab S9 FE Plus WiFi (X610)
Price: Rs  122,999
Discount: 18% OFF
-------------------------------------------------
Tablet Name: Samsung Galaxy Tab A9 (X110)
Price: Rs  30,999
Discount: 35% OFF
-------------------------------------------------
Tablet Name: Samsung Galaxy Tab A9 Plus (X216) With Sim
Price: Rs  74,999
Discount: 17% OFF
-------------------------------------------------
Tablet Name: Samsung Galaxy Tab A9 With Sim (X115)
Price: Rs  36,999
Discount: 26% OFF
-------------------------------------------------
Tablet Name: Samsung Galaxy Tab A9 Plus 5G with 1 year Official Warranty
Price: Rs  68,999
Discount: 17% OFF
-------------------------------------------------
Tablet Name: Samsung Galaxy Tab S9 FE WiFi (X510)
```

Task 3:

Approach to solve this problem:

· **Use Selenium** Navigate through the first 5 pages.
· **Parse HTML** Use BeautifulSoup to extract property details.
· **Extracted Data** Location(by applying tags as shown in above tasks), Price, Beds, Baths, Area from listing elements.
· **Store in DataFrame** Organize extracted data for analysis

Fidings:
 Successfully extracted property details.
 Data formatted into a structured table.

```
] print(df)

                    Location Price      Info
  0  DHA Phase 7, DHA Defence   N/A  1 Kanal56
  1  DHA Phase 6, DHA Defence   N/A  1 Kanal56
  2  DHA Phase 7, DHA Defence   N/A  1 Kanal56
  3  DHA Phase 6, DHA Defence   N/A  1 Kanal56
  4  DHA Phase 7, DHA Defence   N/A   1 Kanal6

] df.to_csv("lamudi_properties.csv", index=False)
```

Task 4:

<u>Approach to solve this problem</u>:

  Install dependencies (selenium, webdriver-manager, pandas).
· Set up ChromeDriver in Google Colab.
· Use Selenium to navigate Yahoo Finance.
· Extract and store data in a pandas DataFrame.