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import requests
from bs4 import BeautifulSoup
import pandas as pd

def scrape_maruti_cars():
    url = "https://ackodrive.com/collection/maruti-suzuki-cars/"
    headers = {
        "User-Agent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/126.0.0.0 Safari/537.36"
    }

    print(f"Scraping data from: {url}")
    try:
        # Step 1: Request the page
        response = requests.get(url, headers=headers)
        response.raise_for_status()
        soup = BeautifulSoup(response.text, 'html.parser')

        # Step 2: Find the __NEXT_DATA__ script
        script = soup.find('script', id='__NEXT_DATA__')
        if not script:
            print("Error: Data script not found.")
            return

        # Step 3: Load JSON using json.loads (still needed for safe parsing)
        import json
        data = json.loads(script.string)

        cars = data.get('props', {}).get('pageProps', {}).get('listingData', {}).get('result', [])
        if not cars:
            print("No car data found.")
            return

        # Step 4: Extract relevant info
        records = []
        for model in cars:
            for variant in model.get('variants', []):
                basic = variant.get('basic_feature', {})
                colors = variant.get('colors', [])
                records.append({
                    "Make": model.get('brand_name', 'N/A'),
                    "Model": model.get('model_name', 'N/A'),
                    "Price": variant.get('price', {}).get('final_price', 'N/A'),
                    "Fuel Type": basic.get('fuel_type', 'N/A'),
                    "Transmission": basic.get('transmission', 'N/A'),
                    "Color Variants": len(colors)
                })

        # Step 5: Convert to DataFrame and display
        df = pd.DataFrame(records)
        print("\n--- Scraped Car Data ---")
        print(df.head()) # show top 5 rows

    except Exception as e:
        print(f"Error: {e}")

if __name__ == "__main__":
    scrape_maruti_cars()

```

🔗 Scraping data from: <https://ackodrive.com/collection/maruti-suzuki-cars/>

```

--- Scraped Car Data ---

```

	Make	Model	Price	Fuel Type	Transmission
0	Maruti Suzuki	Baleno (2022-2025)	718268	Petrol	Manual
1	Maruti Suzuki	Baleno (2022-2025)	810174	Petrol	Manual
2	Maruti Suzuki	Baleno (2022-2025)	859880	Petrol	Automatic
3	Maruti Suzuki	Baleno (2022-2025)	909481	CNG	Manual
4	Maruti Suzuki	Baleno (2022-2025)	911930	Petrol	Manual

```

Color Variants
0      6
1      6
2      6
3      6
4      7

```

◆ What can I help you build?



