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import scrapy

class JobItem(scrapy.Item):

    name = scrapy.Field()
    company_type = scrapy.Field()
    location = scrapy.Field()

class urls():
    def __init__(self):
        pass
    def get_urls(self):
        start_urls = ['https://stackoverflow.com/jobs/companies']
        for i in range(2,48):
            start_urls.append('https://stackoverflow.com/jobs/companies?pg='+ str(i))
        return start_urls

class XPathPythonDocumentationSpider(scrapy.Spider):
    name = 'company_location_details'
    start_urls = urls().get_urls()
    print(start_urls)
    def parse(self, response):
        for data in response.xpath('//*[@class="company-list"]/div/div[3]/div[2]'):

            item = JobItem()
            item['name']= data.xpath('./h2/a/text()').extract()
            item['location']= data.xpath('./div[1]/div[1]/text()').extract()
            item['company_type'] = data.xpath('./div[1]/div[2]/text()').extract()

            yield item

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