```python
#!/usr/bin/env python
# coding: utf-8

# In[25]:


import scrapy
class JobItem(scrapy.Item):
    title = scrapy.Field()
    company = scrapy.Field()
    location = scrapy.Field()

class links():
  def __init__(self):
    pass

  def pturl(self):
    applinks = ['https://stackoverflow.com/jobs/companies']

    for k in range(2,16):
        applinks.append('https://stackoverflow.com/jobs/companies?pg='+ str(k))
    return applinks

class myspd(scrapy.Spider):

    def parse(self, response):
        d = response.css('div.fl1 div.company-list div div.d-flex div:nth-of-
type(2)')
        for u in d:
            b = JobItem()
            b['title']= u.css('h2 a::text').extract()[0]
            b['location']= u.css('div.fs-body1 div:nth-of-type(1)::text').extract()
[0]
            b['company'] = u.css('div.fs-body1 div:nth-of-type(2)::text').extract()
[0]

            yield b
    name = 'joblistings'
    start_urls = links().pturl()
    #print(start_urls)


# In[ ]:




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