

# Cyberint\_Ops\_Challenge\_Answers

1. The box 'Get Help' from the top bar:

```
//a[text()='Get Help']
```

2. The search box input on the top right of the page:

```
//form[@id='support-search-sidebar']/input
```

3. The first post on the page:

```
//article[@class='forum--question-item']
```

4. The first 5 posts at the page:

```
//article[@class='forum--question-item'][position()<=5]
```

5. The time of publishing of the first post:

```
//article[@class='forum--question-item']
```

6. all posts that are responded:

```
//article[@class='forum--question-item' and //li[contains(@class, 'thread-solved')]]
```

7. all posts that are "1 day ago:

```
//article[//p[@class='user-meta-asked-by']/text()[contains(., '1 day ago')]]
```

8. All posts that "?" in the title:

```
//article[//h2[@class='forum--question-item-heading']/a[contains(text(), '?')]]
```

9. All posts that their author name starts with D (D or d):

```
//article[//p[@class='user-meta-asked-by' and (starts-with(translate(//strong/a/text(), 'd', 'D'), 'D'))]]
```

10. All posts that they have more then 2 replies:

```
//article[//div[@class='forum--meta-details replies']/span[@class='forum--meta-val']/text() > 2]
```

11. All posts that their title starts with 'P' (or p):

```
//article[//h2[@class='forum--question-item-heading' and //a[starts-with(translate(text(), 'p', 'P'), 'P')]]]
```

12. All posts that their title length is 14 or bigger:

```
//article[//h2[@class='forum--question-item-heading' and //a[string-length(text())>=14]]]
```

13. All the posts that has "Windows 11" tag:

```
//article[//ul[@class='tag-list push-right']/li/a[text()='Windows 11']]
```

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**In addition to the answers, I have provided a script named `xpath_parser.py` that prints the count of elements found for each Xpath.**

## script output:

```
↑ /Users/ahmddbran/PycharmProjects/pythonProject1/.venv/bin/python /Users/ahmddbran/PycharmProjects/pythonProject1/main.py
↓ The box 'Get Help' from the top bar ---> 1 elements found
|| The search box input on the top right of the page ---> 1 elements found
| The first post on the page ---> 1 elements found
⇅ The first 5 posts at the page ---> 5 elements found
☰ The time of publishing of the first post ---> 1 elements found
☰ all posts that are responded ---> 0 elements found
☑ all posts that are "1 day ago" ---> 0 elements found
☑ All posts that '?' in the title ---> 2 elements found
All posts that their author name starts with D (D or d) ---> 1 elements found
All posts that their title starts with 'P' (or p) ---> 3 elements found
All posts that their title length is 14 or bigger ---> 20 elements found
All the posts that has "Windows 11" tag ---> 2 elements found
```

- **Note** : Xpath '10' was not applied in the provided script because the function 'text() > 2' is not supported by the "lxml"(XPath 1.0) library used in the script.