

Using the variable `sr` defined below, extract all the strings that are upper case.

```
In [1]: import pandas as pd
        from string import ascii_lowercase, ascii_uppercase
        import numpy as np

        ref = np.array(list(ascii_lowercase + ascii_uppercase))
        np.random.shuffle(ref)

        data = [f'{c1}{c2}' for c1 in ref[10:] for c2 in ref[:15]]
        sr = pd.Series(data)
```

```
In [2]: sr[sr.str.isupper()]
```

```
Out[2]:
```

30	UM
31	UQ
34	UB
38	UF
42	UU
	⋮
559	0B
563	0F
567	0U
568	0C
569	0T

Length: 154, dtype: object

Advanced: extract all the strings whose first character is lower case and second character is upper case.

```
In [3]: cond1 = sr.str[0].str.islower()  
cond2 = sr.str[1].str.isupper()
```

```
In [4]: cond1
```

```
Out[4]: 0      True
        1      True
        2      True
        3      True
        4      True
        ...
        625    True
        626    True
        627    True
        628    True
        629    True
        Length: 630, dtype: bool
```

```
In [5]: cond2
```

```
Out[5]:
```

0	True
1	True
2	False
3	False
4	True
	...
625	False
626	False
627	True
628	True
629	True

Length: 630, dtype: bool

```
In [6]: cond1&cond2
```

```
Out[6]:
```

0	True
1	True
2	False
3	False
4	True
	...
625	False
626	False
627	True
628	True
629	True

Length: 630, dtype: bool

```
In [7]: sr[cond1 & cond2]
```

```
Out[7]:
```

0	oM
1	oQ
4	oB
8	oF
12	oU
	⋮
619	qB
623	qF
627	qU
628	qC
629	qT

Length: 140, dtype: object

