Reemplazar valores con expresiones regulares en un DataFrame de Pandas

Cargar los datos en Pandas

	internship	company_name	skills	perks	location	duration	stipend	applicants	ifSkillsorPerksMissingUseThis
0	Software Testing	Times Internet	Software Testing	Certificate, 5 days a week	Noida	6 Months	8000 /month	119 applicants	Software Testing, Certificate\n5 days a week
1	Technical Operations - Networking And Monitoring	Paytm Payments Bank	Java, SQL, Unix, Oracle, MS SQL Server, Hibern	Certificate, Letter of recommendation, 5 days	Noida	6 Months	10000 /month	194 applicants	Java\nSQL\nUnix\nOracle\nMS SQL Server\nHibern
2	Software Project Management	IIT Bombay	English Proficiency (Spoken), English Proficie	Certificate, Letter of recommendation, Flexibl	Work From Home	6 Months	1000- 2000 /month	113 applicants	English Proficiency (Spoken)\nEnglish Proficie
3	Web Development	IIT Bombay	HTML, CSS, Flask, Python, Django	Certificate, Letter of recommendation, Flexibl	Work From Home	6 Months	1000- 2000 /month	183 applicants	HTML\nCSS\nFlask\nPython\nDjango, Certificate\
4	Front End Development	IIT Bombay	HTML, CSS, JavaScript, ReactJS, Redux	Certificate, Letter of recommendation, Flexibl	Work From Home	6 Months	1000- 2000 /month	205 applicants	HTML\nCSS\nJavaScript\nReactJS\nRedux, Certifi

Reemplazar los valores de cadena en una columna

1. Reemplazar el valor de una sola cadena con espacios

```
In [2]: N 1 df['applicants'].str.replace(r'\sapplicants', '', regex=True) # r=raw -> Literal
   Out[2]: 0
                                     119
                                     194
            1
            2
                                     113
            3
                                     183
                                      30
            2562
            2563
                   Be an early applicant
            2564
                   Be an early applicant
                   Be an early applicant
            2566
                   Be an early applicant
            Name: applicants, Length: 2567, dtype: object
```

2. Reemplazar el valor de varias cadenas con espacios

3. Reemplazar varios valores de cadena con un cero

```
In [4]: N 1 df['applicants'].replace([r'(\d+) applicants', 'Be an early applicant'],[r'\1',0], regex=True)
   Out[4]: 0
                    119
            1
                    194
            2
                    113
            3
                    183
            4
                    205
            2562
                     30
            2563
                     0
            2564
            2565
                     0
            2566
                     a
            Name: applicants, Length: 2567, dtype: object
```

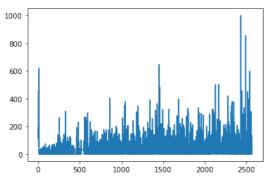
Reemplazar caracteres especiales con espacios

```
In [5]: ▶
           1 df['internship'].str.replace(r'[^0-9a-zA-Z:,\s]+', '', regex=True)
   Out[5]:
           0
                                                   Software Testing
                    Technical Operations Networking And Monitoring
            2
                                        Software Project Management
            3
                                                    Web Development
            4
                                              Front End Development
                                             Internet Of Things IoT
            2562
            2563
                                                    Summer Research
            2564
                                 Academic Research Computer Science
            2565
                                                   Computer Science
            2566
                                                   Computer Science
            Name: internship, Length: 2567, dtype: object
```

Reemplazar números o caracteres que no son dígitos

1. Reemplazar todos los símbolos no numéricos y mapea en caso de que falten

```
In [6]: M | 1 | df['applicants'].str.replace(r'\D+', '', regex=True).replace({'':0}).astype('int')
  Out[6]: 0
              119
        1
              194
        2
              113
        3
              183
              205
        2562
              30
        2563
               0
        2564
               0
        2566
               0
        Name: applicants, Length: 2567, dtype: int32
Out[7]: <AxesSubplot:>
```



2. Reemplazar todos los números de la columna

```
Out[8]: 0
                       applicants
                       applicants
         1
                       applicants
         2
         3
                       applicants
         4
                       applicants
         2562
                       applicants
               Be an early applicant
         2563
         2564
               Be an early applicant
         2565
               Be an early applicant
         2566
               Be an early applicant
         Name: applicants, Length: 2567, dtype: object
```

Reemplazar valores numéricos en cuatro columnas del DataFrame

Out[9]:

	stipend	applicants	internship	duration
0	/month	applicants	Software Testing	Months
1	/month	applicants	Technical Operations - Networking And Monitoring	Months
2	- /month	applicants	Software Project Management	Months
3	- /month	applicants	Web Development	Months
4	- /month	applicants	Front End Development	Months
2562	- /month	applicants	Internet Of Things (IoT)	Months
2563	/month	Be an early applicant	Summer Research	Months
2564	Not provided	Be an early applicant	Academic Research (Computer Science)	Months
2565	/month	Be an early applicant	Computer Science	Months
2566	/month Be an early applicant		Computer Science	Months

2567 rows × 4 columns