

```
In [4]: from helper import *
```

```
In [5]: url = 'https://en.wikipedia.org/wiki/List_of_helicopter_prison_escapes'  
data = data_from_url(url)
```

```
In [6]: for row in data :  
        print(row[:3])
```

```
['August 19, 1971', 'Santa Martha Acatitla', 'Mexico']  
['October 31, 1973', 'Mountjoy Jail', 'Ireland']  
['May 24, 1978', 'United States Penitentiary, Marion', 'United States']  
['February 27, 1981', 'Fleury-Mérogis, Essonne, Ile de France', 'France']  
['May 7, 1981', 'Orsainville Prison, Quebec City', 'Canada']  
['January, 1983', 'Pentridge (HM Prison)', 'Australia']  
['December 19, 1985', 'Perry Correctional Institution, Pelzer, South Carolina', 'United States']  
['December 31, 1985', 'Cândido Mendes penitentiary, Ilha Grande, Rio de Janeiro', 'Brazil']  
['May 26, 1986', 'Prison de la Santé', 'France']  
['November 5, 1986', 'Federal Correctional Institution, Dublin', 'United States']  
['November 23, 1986', 'Prigione di Rebibbia, Roma', 'Italy']  
['December 10, 1987', 'Gartree (HM Prison)', 'United Kingdom']  
['July 11, 1988', 'Santa Fe prison', 'United States']  
['April 17, 1989', 'Federal Holding Facility, Miami, FL', 'United States']  
['August 19, 1989', 'Arkansas Valley Correctional Facility', 'United States']  
['June 19, 1990', 'Kent Penitentiary, British Columbia', 'Canada']  
['1991', 'Rio Piedras State Penitentiary, Puerto Rico', 'Puerto Rico']  
['1992', 'Lyon Prison', 'France']  
['December 1992', 'Touraine Central Prison, Tours', 'France']  
['June 17, 1993', 'Touraine Central Prison, Tours', 'France']  
['December 30, 1996', 'High Security Prison, Santiago', 'Chile']  
['September 18, 1997', 'De Geerhorst jail', 'Netherlands']  
['March 25, 1999', 'Metropolitan Remand and Reception Centre', 'Australia']  
['June 5, 2000', 'Martin Treatment Center for Sexually Violent Predators, Martin County Florida', 'United States']  
['2000', 'Lyon prison', 'France']  
['2001', 'Luynes prison', 'France']  
['March 24, 2001', 'Draguignan prison', 'France']  
['May 28, 2001', 'Fresnes prison', 'France']  
['January 17, 2002', 'Parada Neto Penitentiary', 'Brazil']  
['December 30, 2002', 'Las Cucharas prison, Puerto Rico', 'United States']  
['2003', 'Luynes prison', 'France']  
['July 2005', 'France', 'France']  
['December 10, 2005', 'Aiton Prison', 'France']  
['June 6, 2006', 'Korydallos Prison', 'Greece']  
['April 15, 2007', 'Lantin Prison, Liège', 'Belgium']  
['July 15, 2007', 'Grasse prison', 'France']  
['October 28, 2007', 'Ittre prison', 'Belgium']  
['February 22, 2009', 'Korydallos Prison', 'Greece']  
['April 27, 2009', 'Domenjod Prison, Réunion', 'France']  
['July 23, 2009', 'Bruges', 'Belgium']  
['June 25, 2010', 'HM Prison Isle of Wight, Isle of Wight', 'United Kingdom']  
['March 22, 2012', 'Sheksna, Penal colony N17', 'Russia']  
['February 24, 2013', 'Trikala Prison, Trikala', 'Greece']  
['March 17, 2013', 'Saint-Jérôme Detention Facility, Quebec', 'Canada']
```

```
['June 7, 2014', 'Orsainville Detention Facility, Quebec', 'Canada']
['February 22, 2016', 'Thiva', 'Greece']
['July 1, 2018', 'Réau, near Paris', 'France']
['September 25, 2020', 'Forest prison, Brussels', 'Belgium']
```

```
In [7]: index = 0
        for row in data :
            data[index] = row[:-1]
            index += 1
```

```
In [8]: print(data[:3])
```

```
[['August 19, 1971', 'Santa Martha Acatitla', 'Mexico', 'Yes', 'Joel David Kaplan Carlos Antonio Contreras Castro'], ['October 31, 1973', 'Mountjoy Jail', 'Ireland', 'Yes', "JB O'Hagan Seamus TwomeyKevin Mallon"], ['May 24, 1978', 'United States Penitentiary, Marion', 'United States', 'No', 'Garrett Brock TrapnellMartin Joseph McNallyJames Kenneth Johnson']]
```

```
In [10]: for row in data :
          date = fetch_year(row[0])
          row[0] = date
```

```
In [11]: print(data[:3])
```

```
[[1971, 'Santa Martha Acatitla', 'Mexico', 'Yes', 'Joel David Kaplan Carlos Antonio Contreras Castro'], [1973, 'Mountjoy Jail', 'Ireland', 'Yes', "JB O'Hagan Seamus TwomeyKevin Mallon"], [1978, 'United States Penitentiary, Marion', 'United States', 'No', 'Garrett Brock TrapnellMartin Joseph McNallyJames Kenneth Johnson']]
```

```
In [12]: min_year = min(data, key=lambda x: x[0])[0]
          max_year = max(data, key=lambda x: x[0])[0]
```

```
In [13]: print(min_year)
          print(max_year)
```

```
1971
2020
```

```
In [14]: years = []
          for y in range(min_year, max_year + 1):
              years.append(y)
```

```
In [15]: print(years)
```

```
[1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020]
```

```
In [19]: attempts_per_year = []
          for y in years:
```

```
    attempts_per_year.append([y, 0])
print(attempts_per_year)
```

```
[[1971, 0], [1972, 0], [1973, 0], [1974, 0], [1975, 0], [1976, 0], [1977, 0], [1978, 0],
 [1979, 0], [1980, 0], [1981, 0], [1982, 0], [1983, 0], [1984, 0], [1985, 0], [1986, 0],
 [1987, 0], [1988, 0], [1989, 0], [1990, 0], [1991, 0], [1992, 0], [1993, 0], [1994, 0],
 [1995, 0], [1996, 0], [1997, 0], [1998, 0], [1999, 0], [2000, 0], [2001, 0], [2002, 0],
 [2003, 0], [2004, 0], [2005, 0], [2006, 0], [2007, 0], [2008, 0], [2009, 0], [2010, 0],
 [2011, 0], [2012, 0], [2013, 0], [2014, 0], [2015, 0], [2016, 0], [2017, 0], [2018, 0],
 [2019, 0], [2020, 0]]
```

In [20]:

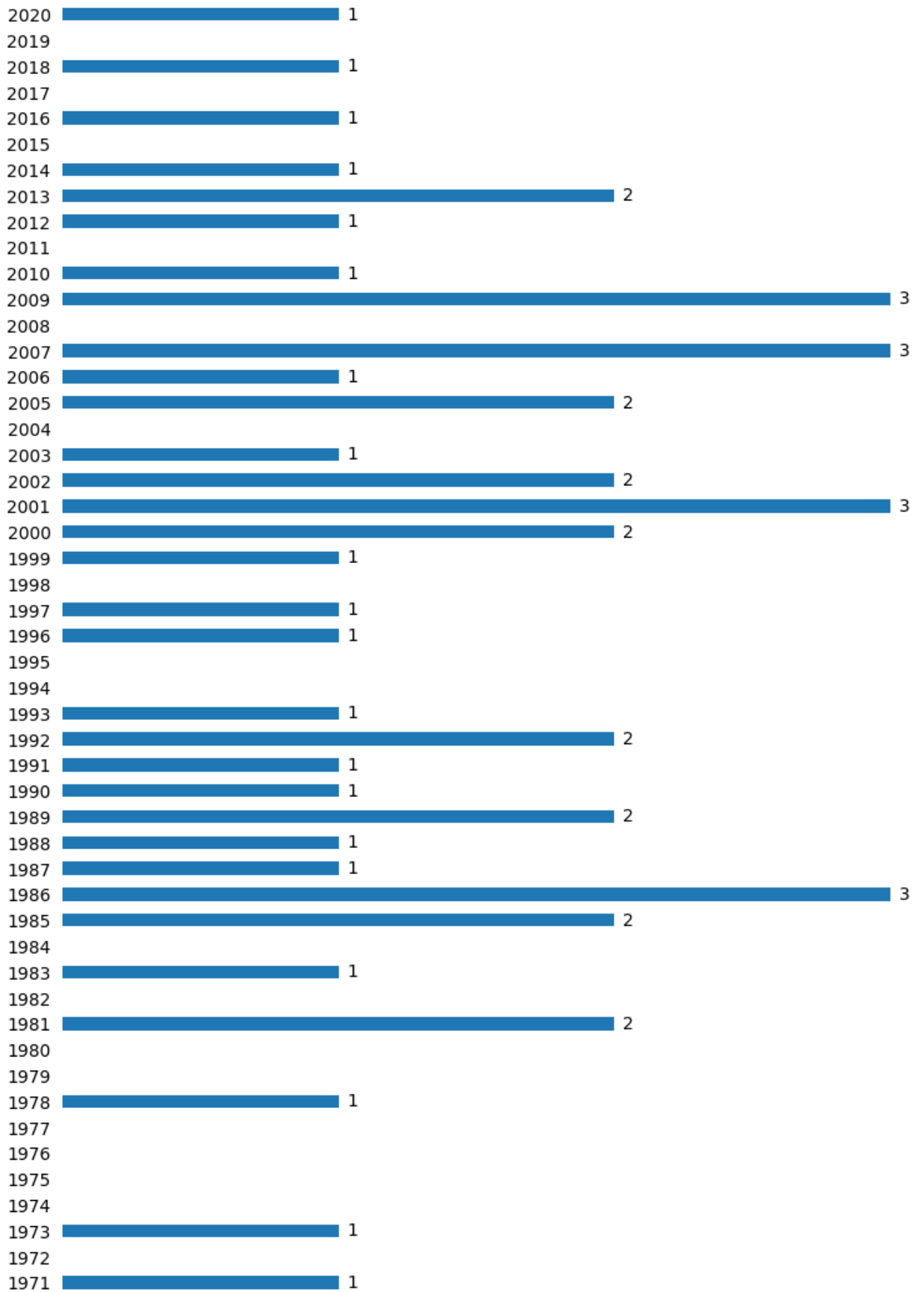
```
for row in data :
    for ya in attempts_per_year: # Instruction 2 - nothing to do here
        y = ya[0]                # Instruction 3 - assign the year value in ya to y
        if row[0] == y:
            ya[1] += 1

print(attempts_per_year)        # Instruction 4 - print the results
```

```
[[1971, 1], [1972, 0], [1973, 1], [1974, 0], [1975, 0], [1976, 0], [1977, 0], [1978, 1],
 [1979, 0], [1980, 0], [1981, 2], [1982, 0], [1983, 1], [1984, 0], [1985, 2], [1986, 3],
 [1987, 1], [1988, 1], [1989, 2], [1990, 1], [1991, 1], [1992, 2], [1993, 1], [1994, 0],
 [1995, 0], [1996, 1], [1997, 1], [1998, 0], [1999, 1], [2000, 2], [2001, 3], [2002, 2],
 [2003, 1], [2004, 0], [2005, 2], [2006, 1], [2007, 3], [2008, 0], [2009, 3], [2010, 1],
 [2011, 0], [2012, 1], [2013, 2], [2014, 1], [2015, 0], [2016, 1], [2017, 0], [2018, 1],
 [2019, 0], [2020, 1]]
```

In [21]:

```
%matplotlib inline
barplot(attempts_per_year)
```



```
In [22]: countries_frequency = df["Country"].value_counts()
```

```
In [24]: print_pretty_table(countries_frequency)
```

Country	Number of Occurrences
France	15
United States	8
Greece	4
Canada	4
Belgium	4
Australia	2
United Kingdom	2
Brazil	2
Netherlands	1
Italy	1
Mexico	1
Ireland	1
Puerto Rico	1
Russia	1
Chile	1

```
In [ ]:
```