In [14]:

*# Get the high cases*

high\_cases\_value **=**[]

**for** country **in** countries:

high\_cases\_value.append(cleaned\_data[cleaned\_data['Country'] **==** country]['New\_cases'].values.max()) high\_cases\_value

1

2

3

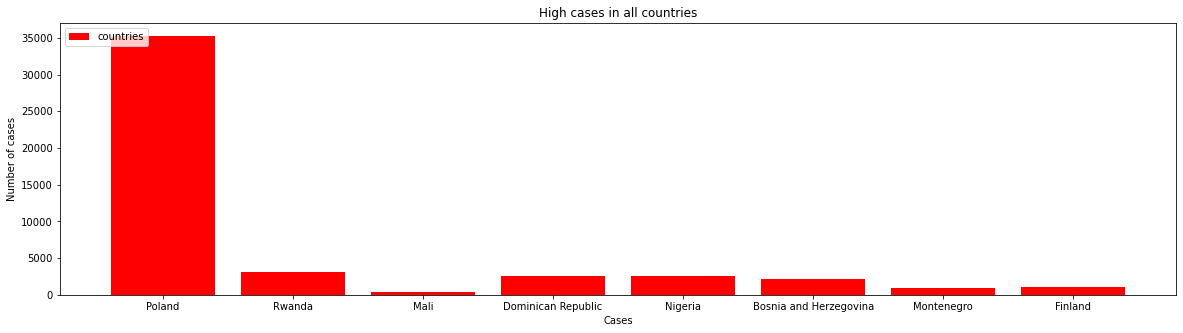
4

5

Out[14]: [35253, 3141, 413, 2518, 2609, 2154, 956, 1034]

In [15]:

|  |  |
| --- | --- |
| 1 | *# polot the high cases in all countries* |
| 2 | plt.figure(figsize**=**(20,5)) |
| 3 | plt.title("High cases in all countries") |
| 4 | plt.xlabel("Cases") |
| 5 | plt.ylabel("Number of cases") |
| 6 | plt.bar(countries,high\_cases\_value,label**=**"countries",color **=** 'red') |
| 7 | plt.legend(loc**=**"upper left") |
| 8 | plt.show() |



In [16]:

*# Get the high Cumulative\_deaths*

high\_Cumulative\_deaths **=**[] **for** country **in** countries:

high\_Cumulative\_deaths.append(cleaned\_data[cleaned\_data['Country'] **==** country]['Cumulative\_deaths'].values.max() high\_Cumulative\_deaths

1

2

3

4

5

Out[16]: [75392, 1105, 539, 4012, 2488, 9906, 1757, 1031]

In [17]:

|  |  |
| --- | --- |
| 1 | *# polot the high Cumulative\_deaths in all countries* |
| 2 | plt.figure(figsize**=**(20,5)) |
| 3 | plt.title("High Cumulative deaths in all countries") |
| 4 | plt.xlabel("Cumulative deaths") |
| 5 | plt.ylabel("Number of Cumulative deaths") |
| 6 | plt.bar(countries,high\_Cumulative\_deaths,label**=**"countries",color **=** 'yellow') |
| 7 | plt.legend(loc**=**"upper left") |
| 8 | plt.show() |



In [18]:

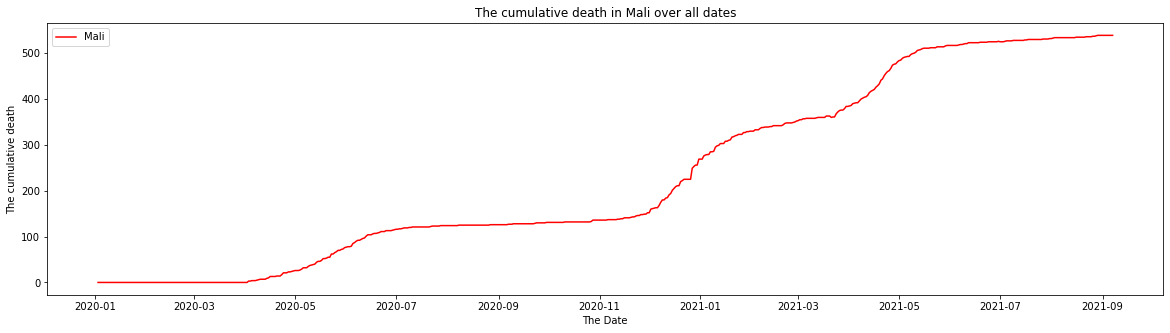
|  |  |
| --- | --- |
| 1 | *# Get the cumulative death in country such as Mali* |
| 2 | cumulative\_Mali **=** cleaned\_data[cleaned\_data['Country'] **==** 'Mali']['Cumulative\_deaths'].values |

In [19]:

|  |  |
| --- | --- |
| 1 | *# Get the all dates for Mali* |
| 2 | all\_date\_mali **=** cleaned\_data[cleaned\_data['Country'] **==** 'Mali']['Date\_reported'].values |

In [20]:

|  |  |
| --- | --- |
| 1 | *# polot the cumulative death in Mali over all dates* |
| 2 | plt.figure(figsize**=**(20,5)) |
| 3 | plt.title("The cumulative death in Mali over all dates") |
| 4 | plt.xlabel("The Date") |
| 5 | plt.ylabel("The cumulative death") |
| 6 | plt.plot(all\_date\_mali,cumulative\_Mali,label**=**"Mali",color **=** 'red') |
| 7 | plt.legend(loc**=**"upper left") |
| 8 | plt.show() |



In [21]:

|  |  |
| --- | --- |
| 1 | *# Get Mali new deathes over the all dates* |
| 2 | new\_deaths\_Mali **=** cleaned\_data[cleaned\_data['Country'] **==** 'Mali']['New\_deaths'].values |
| 3 | all\_date\_mali **=** cleaned\_data[cleaned\_data['Country'] **==** 'Mali']['Date\_reported'].values |

In [22]:

|  |  |
| --- | --- |
| 1 | *# plot the new deaths in Mali and Poland over the all dates* |
| 2 | plt.figure(figsize**=**(20,5)) |
| 3 | plt.title("The New deaths in Mali over all dates") |
| 4 | plt.xlabel("The Date") |
| 5 | plt.ylabel("The New death") |
| 6 | plt.plot(all\_date\_mali,new\_deaths\_Mali,label**=**"Mali",color **=** 'red') |
| 7 | plt.legend(loc**=**"upper left") |
| 8 | plt.show() |
| 9 |  |

