

Handling Null Values

Date	6 November 2022
Team ID	PNT2022TMID09754
Project Name	Web Phishing Detection
Maximum Marks	2 Marks

```
In [8]: #Analysing the data using pandas and checking if the dataset contains any null values.
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In [9]: ds.info()
ds.isnull().any() #no null values

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 11055 entries, 0 to 11054
Data columns (total 32 columns):
#   Column                                Non-Null Count  Dtype
---  --
0   index                                11055 non-null  int64
1   having_IPhaving_IP_Address           11055 non-null  int64
2   URLURL_Length                        11055 non-null  int64
3   Shortning_Service                    11055 non-null  int64
4   having_At_Symbol                     11055 non-null  int64
5   double_slash_redirecting             11055 non-null  int64
6   Prefix_Suffix                        11055 non-null  int64
7   having_Sub_Domain                    11055 non-null  int64
8   Sslfinal_State                       11055 non-null  int64
9   Domain_registration_length            11055 non-null  int64
10  Favicon                              11055 non-null  int64
11  port                                11055 non-null  int64
12  HTTPS_token                          11055 non-null  int64
13  Request_URL                          11055 non-null  int64
14  URL_of_Anchor                        11055 non-null  int64
15  Links_in_tags                        11055 non-null  int64
16  SFH                                  11055 non-null  int64
17  Submitting_to_email                  11055 non-null  int64
18  Abnormal_URL                         11055 non-null  int64
19  Redirect                             11055 non-null  int64
20  on_mouseover                         11055 non-null  int64
```

```
20  on_mouseover                         11055 non-null  int64
21  RightClick                           11055 non-null  int64
22  popUpWidnow                          11055 non-null  int64
23  IFrame                              11055 non-null  int64
24  age_of_domain                        11055 non-null  int64
25  DNSRecord                            11055 non-null  int64
26  web_traffic                          11055 non-null  int64
27  Page_Rank                            11055 non-null  int64
28  Google_Index                         11055 non-null  int64
29  Links_pointing_to_page               11055 non-null  int64
30  Statistical_report                   11055 non-null  int64
31  Result                              11055 non-null  int64
dtypes: int64(32)
memory usage: 2.7 MB
```

```
Out[9]: index                                False
having_IPhaving_IP_Address                 False
URLURL_Length                             False
Shortning_Service                         False
having_At_Symbol                          False
double_slash_redirecting                  False
Prefix_Suffix                             False
having_Sub_Domain                         False
Sslfinal_State                            False
Domain_registration_length                 False
Favicon                                   False
port                                       False
HTTPS_token                              False
Request_URL                              False
URL_of_Anchor                            False
Links_in_tags                             False
SFH                                        False
Submitting_to_email                       False
```

```
Abnormal_URL                             False
Redirect                                  False
on_mouseover                             False
RightClick                               False
popUpWidnow                             False
IFrame                                   False
age_of_domain                            False
DNSRecord                                False
web_traffic                              False
Page_Rank                                False
Google_Index                             False
Links_pointing_to_page                    False
Statistical_report                       False
Result                                   False
dtype: bool
```