

Handling Null Values

Date	21 October 2022
Team ID	PNT2022TMID07498
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.
```

```
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   Shortining_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
..  ..
29   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
Shortining_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
```

```
having_IPhaving_IP_Address                False
URLURL_Length                            False
Shortining_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
```