```
import pandas as pd
url="https://raw.githubusercontent.com/subhashchandra630/Python-ca/main/titanic.csv"
df=pd.read_csv(url)
df.head(2)
df.isnull()
```

	PassengerId	Survived	Pclass	Name
0	False	False	False	False
1	False	False	False	False
2	False	False	False	False
3	False	False	False	False
4	False	False	False	False
...	...	...	...	...
886	False	False	False	False
887	False	False	False	False
888	False	False	False	False
889	False	False	False	False
890	False	False	False	False

891 rows × 12 columns

to check how many missing values are in a column

```
print(df[["Sex","Cabin"]].isnull())
df.info()
```

```
       Sex  Cabin
0    False   True
1    False  False
2    False   True
3    False  False
4    False   True
..     ...    ...
886  False   True
887  False  False
888  False   True
889  False  False
890  False   True

[891 rows x 2 columns]
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 891 entries, 0 to 890
```

```
Data columns (total 12 columns):
 #   Column       Non-Null Count  Dtype  
---  ------       --------------  -----  
 0   PassengerId  891 non-null    int64  
 1   Survived     891 non-null    int64  
 2   Pclass       891 non-null    int64  
 3   Name         891 non-null    object 
 4   Sex          891 non-null    object 
 5   Age          714 non-null    float64
 6   SibSp        891 non-null    int64  
 7   Parch        891 non-null    int64  
 8   Ticket       891 non-null    object 
 9   Fare         891 non-null    float64
 10  Cabin        204 non-null    object 
 11  Embarked     889 non-null    object 
dtypes: float64(2), int64(5), object(5)
memory usage: 83.7+ KB
```

Double-click (or enter) to edit

```
df.notnull()
```

	PassengerId	Survived	Pclass	Name
0	True	True	True	True
1	True	True	True	True
2	True	True	True	True
3	True	True	True	True
4	True	True	True	True
...	...	...	...	...
886	True	True	True	True
887	True	True	True	True
888	True	True	True	True
889	True	True	True	True
890	True	True	True	True

891 rows × 12 columns

fill missing values with 0

```
import numpy as np
dict={'first':[100,90,np.nan,5],
      'second':[30,45,56,np.nan],
      'third':[40,24,59,np.nan],
      'four':['male',np.nan,'female','male']

}
```

```
d=pd.DataFrame(dict)
d.fillna(0)
```

	first	second	third	four
0	100.0	30.0	40.0	male
1	90.0	45.0	24.0	0
2	0.0	56.0	59.0	female
3	5.0	0.0	0.0	male

```
d1=pd.DataFrame(dict)
d1.fillna(method='bfill')
```

	first	second	third
0	100.0	30.0	40.0
1	90.0	45.0	24.0
2	5.0	56.0	59.0
3	5.0	NaN	NaN

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it is filling with after value

```
d1=pd.DataFrame(dict)
d1.fillna(method='ffill')
```

	first	second	third
0	100.0	30.0	40.0
1	90.0	45.0	24.0
2	90.0	56.0	59.0
3	5.0	56.0	59.0

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it is filling with before value

```
d1.replace(to_replace=np.nan,value=-99)
```

	first	second	third
0	100.0	30.0	40.0
1	90.0	45.0	24.0
2	-99.0	56.0	59.0
3	5.0	-99.0	-99.0

```
d['four'].replace(to_replace=np.nan,value='no gen
```

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```
0         male
1    no gender
2       female
3         male
Name: four, dtype: object
```

replacing any missing value in a specific column

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✓ 0s completed at 12:41 PM