### Importing wanted packages

In [1]: import pandas as pd
import numpy as np

import seaborn as sb

import matplotlib.pyplot as mp

import warnings

warnings.filterwarnings('ignore')

Out[2]:

	Passengerld	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
0	1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.2500	NaN	S
1	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th	female	38.0	1	0	PC 17599	71.2833	C85	С
2	3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0	STON/O2. 3101282	7.9250	NaN	S
3	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.0	1	0	113803	53.1000	C123	S
4	5	0	3	Allen, Mr. William Henry	male	35.0	0	0	373450	8.0500	NaN	S
886	887	0	2	Montvila, Rev. Juozas	male	27.0	0	0	211536	13.0000	NaN	S
887	888	1	1	Graham, Miss. Margaret Edith	female	19.0	0	0	112053	30.0000	B42	S
888	889	0	3	Johnston, Miss. Catherine Helen "Carrie"	female	NaN	1	2	W./C. 6607	23.4500	NaN	S
889	890	1	1	Behr, Mr. Karl Howell	male	26.0	0	0	111369	30.0000	C148	С
890	891	0	3	Dooley, Mr. Patrick	male	32.0	0	0	370376	7.7500	NaN	Q

In [3]: data.head(10)

Out[3]:

	Passengerld	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
0	1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.2500	NaN	S
1	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th	female	38.0	1	0	PC 17599	71.2833	C85	С
2	3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0	STON/O2. 3101282	7.9250	NaN	S
3	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.0	1	0	113803	53.1000	C123	S
4	5	0	3	Allen, Mr. William Henry	male	35.0	0	0	373450	8.0500	NaN	S
5	6	0	3	Moran, Mr. James	male	NaN	0	0	330877	8.4583	NaN	Q
6	7	0	1	McCarthy, Mr. Timothy J	male	54.0	0	0	17463	51.8625	E46	S
7	8	0	3	Palsson, Master. Gosta Leonard	male	2.0	3	1	349909	21.0750	NaN	S
8	9	1	3	Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)	female	27.0	0	2	347742	11.1333	NaN	S
9	10	1	2	Nasser, Mrs. Nicholas (Adele Achem)	female	14.0	1	0	237736	30.0708	NaN	С

In [4]: data.tail(5)

Out[4]:

	Passengerld	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
886	887	0	2	Montvila, Rev. Juozas	male	27.0	0	0	211536	13.00	NaN	S
887	888	1	1	Graham, Miss. Margaret Edith	female	19.0	0	0	112053	30.00	B42	S
888	889	0	3	Johnston, Miss. Catherine Helen "Carrie"	female	NaN	1	2	W./C. 6607	23.45	NaN	S
889	890	1	1	Behr, Mr. Karl Howell	male	26.0	0	0	111369	30.00	C148	С
890	891	0	3	Dooley, Mr. Patrick	male	32.0	0	0	370376	7.75	NaN	Q

#### data info

```
In [5]: info=data.info()
        <class 'pandas.core.frame.DataFrame'>
        RangeIndex: 891 entries, 0 to 890
        Data columns (total 12 columns):
             Column
                          Non-Null Count
                                           Dtype
             -----
                                           ----
             PassengerId
                          891 non-null
                                           int64
             Survived
                           891 non-null
                                           int64
             Pclass
                           891 non-null
                                           int64
             Name
                          891 non-null
                                           object
                          891 non-null
             Sex
                                           object
                          714 non-null
             Age
                                           float64
             SibSp
                          891 non-null
                                           int64
             Parch
                           891 non-null
                                           int64
             Ticket
                          891 non-null
                                           object
             Fare
                          891 non-null
                                           float64
         9
                          204 non-null
                                           object
         10 Cabin
         11 Embarked
                          889 non-null
                                           object
        dtypes: float64(2), int64(5), object(5)
        memory usage: 83.7+ KB
In [6]: nul=data.isna().sum()
        nul
Out[6]: PassengerId
                          0
        Survived
                          0
        Pclass
        Name
        Sex
                        177
        Age
        SibSp
                          0
        Parch
                          0
        Ticket
                          0
        Fare
                          0
        Cabin
                        687
        Embarked
                          2
        dtype: int64
```

In [7]: data[data['Cabin'].isnull()]

Out[7]:

	Passengerld	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
0	1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.2500	NaN	S
2	3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0	STON/O2. 3101282	7.9250	NaN	S
4	5	0	3	Allen, Mr. William Henry	male	35.0	0	0	373450	8.0500	NaN	S
5	6	0	3	Moran, Mr. James	male	NaN	0	0	330877	8.4583	NaN	Q
7	8	0	3	Palsson, Master. Gosta Leonard	male	2.0	3	1	349909	21.0750	NaN	S
		•••						•••				
884	885	0	3	Sutehall, Mr. Henry Jr	male	25.0	0	0	SOTON/OQ 392076	7.0500	NaN	S
885	886	0	3	Rice, Mrs. William (Margaret Norton)	female	39.0	0	5	382652	29.1250	NaN	Q
886	887	0	2	Montvila, Rev. Juozas	male	27.0	0	0	211536	13.0000	NaN	S
888	889	0	3	Johnston, Miss. Catherine Helen "Carrie"	female	NaN	1	2	W./C. 6607	23.4500	NaN	S
890	891	0	3	Dooley, Mr. Patrick	male	32.0	0	0	370376	7.7500	NaN	Q

687 rows × 12 columns

# unique values

In [8]: data['Pclass'].unique()

Out[8]: array([3, 1, 2])

In [9]: data['Survived'].unique()

Out[9]: array([0, 1])

```
In [10]: data['SibSp'].unique()
Out[10]: array([1, 0, 3, 4, 2, 5, 8])
In [11]: data['Parch'].unique()
Out[11]: array([0, 1, 2, 5, 3, 4, 6])
In [12]: data['Age'].unique()
                                                  , 2. , 27. , 14. ,
Out[12]: array([22. , 38. , 26. , 35. , nan, 54.
                  , 58. , 20. , 39. , 55. , 31.
                                                  , 34.
                                                         , 15. , 28. ,
                         , 40. , 66. , 42. , 21.
                                                   , 18.
                                                         , 3. , 7. ,
                   , 19.
                         , 65. , 28.5 , 5. , 11.
                                                   , 45.
                                                         , 17. , 32. ,
                        , 0.83, 30. , 33. , 23.
                                                   , 24.
                   , 25.
                                                         , 46.
                  , 37. , 47. , 14.5 , 70.5 , 32.5 , 12.
                                                         , 9. , 36.5 ,
               51. , 55.5 , 40.5 , 44. , 1. , 61. , 56. , 50. , 36. ,
               45.5 , 20.5 , 62. , 41. , 52. , 63. , 23.5 , 0.92, 43. ,
               60. , 10. , 64. , 13. , 48. , 0.75, 53. , 57. , 80. ,
               70. , 24.5 , 6. , 0.67, 30.5 , 0.42, 34.5 , 74. ])
```

# droping unwanted columns

In [13]: drp=data.drop(['PassengerId','Name','Cabin','Parch','SibSp','Ticket'],axis=1)
drp

Out[13]:

	Survived	Pclass	Sex	Age	Fare	Embarked
0	0	3	male	22.0	7.2500	S
1	1	1	female	38.0	71.2833	С
2	1	3	female	26.0	7.9250	S
3	1	1	female	35.0	53.1000	S
4	0	3	male	35.0	8.0500	S
886	0	2	male	27.0	13.0000	S
887	1	1	female	19.0	30.0000	S
888	0	3	female	NaN	23.4500	S
889	1	1	male	26.0	30.0000	С
890	0	3	male	32.0	7.7500	Q

891 rows × 6 columns

In [14]: list(drp)

Out[14]: ['Survived', 'Pclass', 'Sex', 'Age', 'Fare', 'Embarked']

Out[15]:

	Survived	Pclass	Sex	Age	Fare	Embarked
0	0	3	1	22.0	7.2500	S
1	1	1	2	38.0	71.2833	С
2	1	3	2	26.0	7.9250	S
3	1	1	2	35.0	53.1000	S
4	0	3	1	35.0	8.0500	S
886	0	2	1	27.0	13.0000	S
887	1	1	2	19.0	30.0000	S
888	0	3	2	NaN	23.4500	S
889	1	1	1	26.0	30.0000	С
890	0	3	1	32.0	7.7500	Q

In [16]: drp.fillna(drp.mode)

Out[16]:

	Survived	Pclass	Sex	Age	Fare	Embarked
0	0	3	1	22.0	7.2500	S
1	1	1	2	38.0	71.2833	С
2	1	3	2	26.0	7.9250	S
3	1	1	2	35.0	53.1000	S
4	0	3	1	35.0	8.0500	S
886	0	2	1	27.0	13.0000	S
887	1	1	2	19.0	30.0000	S
888	0	3	2	 	23.4500	S
889	1	1	1	26.0	30.0000	С
890	0	3	1	32.0	7.7500	Q

In [17]: drp['Age'].fillna(29,inplace=True)
drp

Out[17]:

	Survived	Pclass	Sex	Age	Fare	Embarked
0	0	3	1	22.0	7.2500	S
1	1	1	2	38.0	71.2833	С
2	1	3	2	26.0	7.9250	S
3	1	1	2	35.0	53.1000	S
4	0	3	1	35.0	8.0500	S
886	0	2	1	27.0	13.0000	S
887	1	1	2	19.0	30.0000	S
888	0	3	2	29.0	23.4500	S
889	1	1	1	26.0	30.0000	С
890	0	3	1	32.0	7.7500	Q

In [18]: drp.fillna(29,inplace=True)
drp

Out[18]:

	Survived	Pclass	Sex	Age	Fare	Embarked
0	0	3	1	22.0	7.2500	S
1	1	1	2	38.0	71.2833	С
2	1	3	2	26.0	7.9250	S
3	1	1	2	35.0	53.1000	S
4	0	3	1	35.0	8.0500	S
886	0	2	1	27.0	13.0000	S
887	1	1	2	19.0	30.0000	S
888	0	3	2	29.0	23.4500	S
889	1	1	1	26.0	30.0000	С
890	0	3	1	32.0	7.7500	Q

# mean, median & mode

In [19]: me=drp.fillna(drp.mean)
me

Out[19]:

	Survived	Pclass	Sex	Age	Fare	Embarked
0	0	3	1	22.0	7.2500	S
1	1	1	2	38.0	71.2833	С
2	1	3	2	26.0	7.9250	S
3	1	1	2	35.0	53.1000	S
4	0	3	1	35.0	8.0500	S
•••						
886	0	2	1	27.0	13.0000	S
887	1	1	2	19.0	30.0000	S
888	0	3	2	29.0	23.4500	S
889	1	1	1	26.0	30.0000	С
890	0	3	1	32.0	7.7500	Q

In [20]: md=drp.fillna(drp.median)
md

Out[20]:

	Survived	Pclass	Sex	Age	Fare	Embarked
0	0	3	1	22.0	7.2500	S
1	1	1	2	38.0	71.2833	С
2	1	3	2	26.0	7.9250	S
3	1	1	2	35.0	53.1000	S
4	0	3	1	35.0	8.0500	S
886	0	2	1	27.0	13.0000	S
887	1	1	2	19.0	30.0000	S
888	0	3	2	29.0	23.4500	S
889	1	1	1	26.0	30.0000	С
890	0	3	1	32.0	7.7500	Q

In [21]: mo=drp.fillna(drp.mode)
mo

Out[21]:

	Survived	Pclass	Sex	Age	Fare	Embarked
0	0	3	1	22.0	7.2500	S
1	1	1	2	38.0	71.2833	С
2	1	3	2	26.0	7.9250	S
3	1	1	2	35.0	53.1000	S
4	0	3	1	35.0	8.0500	S
886	0	2	1	27.0	13.0000	S
887	1	1	2	19.0	30.0000	S
888	0	3	2	29.0	23.4500	S
889	1	1	1	26.0	30.0000	С
890	0	3	1	32.0	7.7500	Q

891 rows × 6 columns

26.0

32.0

```
In [22]: drp['Age']
```

Out[22]: 0 22.0 1 38.0 2 26.0 3 35.0 4 35.0 ... 886 27.0 887 19.0 888 29.0

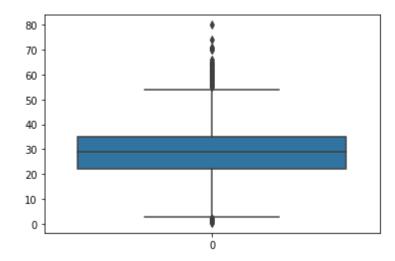
889

890

Name: Age, Length: 891, dtype: float64

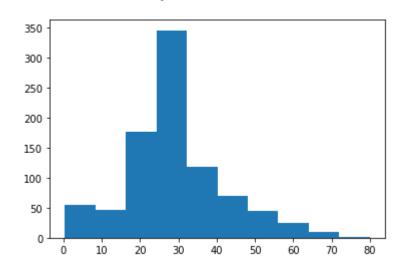
In [23]: sb.boxplot(drp['Age'])

Out[23]: <Axes: >



### histograph

```
In [24]: mp.hist(drp['Age'])
```



# finding null values

100

200

300

400

500

Fare 0 Embarked 0 dtype: int64

400

300

200

100

Age

```
In [27]: drp.describe()
```

Out[27]:

	Survived	Pclass	Sex	Age	Fare
count	891.000000	891.000000	891.000000	891.000000	891.000000
mean	0.383838	2.308642	1.352413	29.560236	32.204208
std	0.486592	0.836071	0.477990	13.005010	49.693429
min	0.000000	1.000000	1.000000	0.420000	0.000000
25%	0.000000	2.000000	1.000000	22.000000	7.910400
50%	0.000000	3.000000	1.000000	29.000000	14.454200
75%	1.000000	3.000000	2.000000	35.000000	31.000000
max	1.000000	3.000000	2.000000	80.000000	512.329200

#### unique values

```
In [28]: un=drp['Age'].unique()
        un
Out[28]: array([22.
                  , 38. , 26. , 35. , 29. , 54.
                                                  , 2. , 27. , 14. ,
                        , 20.
                               , 39. , 55. , 31.
                                                  , 34.
                                                       , 15. , 28. ,
                  , 19. , 40. , 66. , 42. , 21.
                                                  , 18.
                                                        , 3.
                  , 65. , 28.5 , 5.
                                     , 11. , 45.
                                                  , 17.
                                                        , 32. , 16. ,
               49.
               25. , 0.83, 30. , 33. , 23. , 24.
                                                  , 46.
                                                        , 59.
               37. , 47. , 14.5 , 70.5 , 32.5 , 12.
                                                  , 9.
                                                        , 36.5 , 51.
               55.5 , 40.5 , 44. , 1. , 61. , 56. , 50.
                                                        , 36. , 45.5 ,
               20.5 , 62.
                        , 41. , 52. , 63. , 23.5 , 0.92, 43. , 60. ,
               10. , 64. , 13. , 48. , 0.75, 53. , 57. , 80. , 70. ,
              24.5 , 6. , 0.67, 30.5 , 0.42, 34.5 , 74. ])
```

# grouping data

In [29]: drp.groupby(['Age']).count()

Out[29]:

	Survived	Pclass	Sex	Fare	Embarked
Age					
0.42	1	1	1	1	1
0.67	1	1	1	1	1
0.75	2	2	2	2	2
0.83	2	2	2	2	2
0.92	1	1	1	1	1
70.00	2	2	2	2	2
70.50	1	1	1	1	1
71.00	2	2	2	2	2
74.00	1	1	1	1	1
80.00	1	1	1	1	1

```
In [30]: drp['Age']
Out[30]: 0
                 22.0
                 38.0
                 26.0
                 35.0
         3
                 35.0
                 . . .
         886
                 27.0
         887
                 19.0
                 29.0
         888
         889
                 26.0
                 32.0
         890
         Name: Age, Length: 891, dtype: float64
```

In [31]: drp

Out[31]:

	Survived	Pclass	Sex	Age	Fare	Embarked
0	0	3	1	22.0	7.2500	S
1	1	1	2	38.0	71.2833	С
2	1	3	2	26.0	7.9250	S
3	1	1	2	35.0	53.1000	S
4	0	3	1	35.0	8.0500	S
886	0	2	1	27.0	13.0000	S
887	1	1	2	19.0	30.0000	S
888	0	3	2	29.0	23.4500	S
889	1	1	1	26.0	30.0000	С
890	0	3	1	32.0	7.7500	Q

In [32]: dum1=pd.get\_dummies(drp,dtype=int)
 dum1

Out[32]:

	Survived	Pclass	Sex	Age	Fare	Embarked_29	Embarked_C	Embarked_Q	Embarked_S
0	0	3	1	22.0	7.2500	0	0	0	1
1	1	1	2	38.0	71.2833	0	1	0	0
2	1	3	2	26.0	7.9250	0	0	0	1
3	1	1	2	35.0	53.1000	0	0	0	1
4	0	3	1	35.0	8.0500	0	0	0	1
	•••					•••	•••	•••	
886	0	2	1	27.0	13.0000	0	0	0	1
887	1	1	2	19.0	30.0000	0	0	0	1
888	0	3	2	29.0	23.4500	0	0	0	1
889	1	1	1	26.0	30.0000	0	1	0	0
890	0	3	1	32.0	7.7500	0	0	1	0

# correlation table

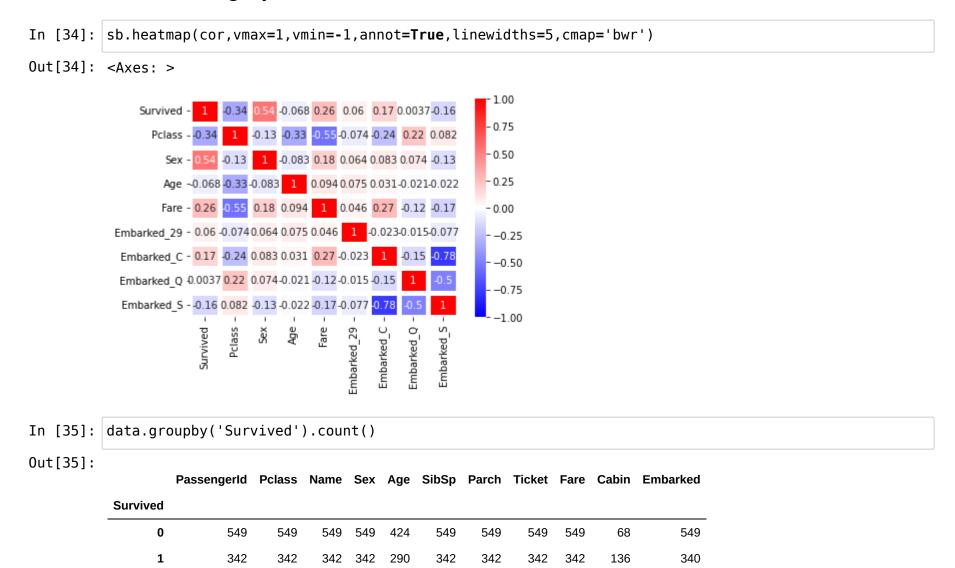
In [33]: cor=dum1.corr()

cor

Out[33]:

	Survived	Pclass	Sex	Age	Fare	Embarked_29	${\bf Embarked\_C}$	${\bf Embarked\_Q}$	Embarked_S
Survived	1.000000	-0.338481	0.543351	-0.067814	0.257307	0.060095	0.168240	0.003650	-0.155660
Pclass	-0.338481	1.000000	-0.131900	-0.334974	-0.549500	-0.074282	-0.243292	0.221009	0.081720
Sex	0.543351	-0.131900	1.000000	-0.082949	0.182333	0.064296	0.082853	0.074115	-0.125722
Age	-0.067814	-0.334974	-0.082949	1.000000	0.093706	0.074589	0.031303	-0.021093	-0.021999
Fare	0.257307	-0.549500	0.182333	0.093706	1.000000	0.045646	0.269335	-0.117216	-0.166603
Embarked_29	0.060095	-0.074282	0.064296	0.074589	0.045646	1.000000	-0.022864	-0.014588	-0.076588
Embarked_C	0.168240	-0.243292	0.082853	0.031303	0.269335	-0.022864	1.000000	-0.148258	-0.778359
Embarked_Q	0.003650	0.221009	0.074115	-0.021093	-0.117216	-0.014588	-0.148258	1.000000	-0.496624
Embarked_S	-0.155660	0.081720	-0.125722	-0.021999	-0.166603	-0.076588	-0.778359	-0.496624	1.000000

#### correlation graph



In [36]: drp.fillna(35,inplace=True)
drp

Out[36]:

	Survived	Pclass	Sex	Age	Fare	Embarked
0	0	3	1	22.0	7.2500	S
1	1	1	2	38.0	71.2833	С
2	1	3	2	26.0	7.9250	S
3	1	1	2	35.0	53.1000	S
4	0	3	1	35.0	8.0500	S
886	0	2	1	27.0	13.0000	S
887	1	1	2	19.0	30.0000	S
888	0	3	2	29.0	23.4500	S
889	1	1	1	26.0	30.0000	С
890	0	3	1	32.0	7.7500	Q

891 rows × 6 columns

In [37]: y=dum1['Survived']
x=dum1.drop('Survived',axis=1)

In [38]: x

Out[38]:

	Pclass	Sex	Age	Fare	Embarked_29	Embarked_C	Embarked_Q	Embarked_S
0	3	1	22.0	7.2500	0	0	0	1
1	1	2	38.0	71.2833	0	1	0	0
2	3	2	26.0	7.9250	0	0	0	1
3	1	2	35.0	53.1000	0	0	0	1
4	3	1	35.0	8.0500	0	0	0	1
886	2	1	27.0	13.0000	0	0	0	1
887	1	2	19.0	30.0000	0	0	0	1
888	3	2	29.0	23.4500	0	0	0	1
889	1	1	26.0	30.0000	0	1	0	0
890	3	1	32.0	7.7500	0	0	1	0

891 rows × 8 columns

```
Out[39]: 0 0
1 1
2 1
3 1
4 0
...
886 0
887 1
888 0
889 1
890 0
```

In [39]: y

Name: Survived, Length: 891, dtype: int64

In [40]: from sklearn.model\_selection import train\_test\_split
x\_train,x\_test,y\_train,y\_test=train\_test\_split(x,y,test\_size=0.33,random\_state=42)

In [41]: x\_train.head(5)

Out[41]:

	Pclass	Sex	Age	Fare	Embarked_29	Embarked_C	Embarked_Q	Embarked_S
6	1	1	54.0	51.8625	0	0	0	1
718	3	1	29.0	15.5000	0	0	1	0
685	2	1	25.0	41.5792	0	1	0	0
73	3	1	26.0	14.4542	0	1	0	0
882	3	2	22.0	10.5167	0	0	0	1

In [42]: x\_test.head(5)

Out[42]:

	Pclass	Sex	Age	Fare	Embarked_29	Embarked_C	${\bf Embarked\_Q}$	${\bf Embarked\_S}$
70	<b>9</b> 3	1	29.0	15.2458	0	1	0	0
43	<b>9</b> 2	1	31.0	10.5000	0	0	0	1
84	<b>10</b> 3	1	20.0	7.9250	0	0	0	1
72	<b>20</b> 2	2	6.0	33.0000	0	0	0	1
3	<b>9</b> 3	2	14.0	11.2417	0	1	0	0

In [43]: y\_train.head(5)

Out[43]: 6 0 718 0 685 0 73 0 882 0

Name: Survived, dtype: int64

In [44]: y\_test.head(5)

1

Out[44]: 709

```
439
                0
         840
                0
         720
                1
         39
                1
         Name: Survived, dtype: int64
         Logistic regression
In [45]: from sklearn.linear model import LogisticRegression
         classifier=LogisticRegression()
         classifier.fit(x train,y train)
Out[45]:
          ▼ LogisticRegression
         LogisticRegression()
In [46]: y pred=classifier.predict(x test)
         y pred
Out[46]: array([0, 0, 0, 1, 1, 1, 1, 0, 1, 1, 0, 0, 1, 0, 0, 1, 0, 1, 0, 0, 0,
                1, 0, 0, 0, 1, 0, 0, 0, 0, 1, 1, 1, 0, 0, 0, 1, 1, 0, 0, 0, 0,
                1, 0, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0, 1, 1, 1, 0, 1, 1, 0, 0, 1,
                0, 0, 0, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 0, 0, 1, 1, 0, 0, 0, 1, 1,
                0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 1, 0, 0, 1,
                1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 1, 1, 0, 0, 1, 1, 1, 1, 1, 0, 1, 0,
                0, 1, 0, 1, 1, 0, 0, 1, 0, 1, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 1,
                0, 0, 0, 1, 1, 1, 0, 0, 0, 1, 0, 0, 1, 0, 0, 1, 1, 0, 1, 0, 0,
                0, 1, 1, 0, 0, 0, 0, 1, 1, 0, 0, 0, 1, 0, 0, 0, 0, 1, 1, 1, 1, 0,
                1, 1, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 1, 0, 1, 0, 1, 0, 1, 0, 1, 0,
                0, 1, 0, 0, 0, 1, 0, 1, 1, 1, 0, 1, 0, 1, 0, 1, 1, 1, 1, 0, 0, 1,
                0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 1, 1, 0, 1, 0,
                0, 0, 0, 0, 1, 0, 1, 0, 0, 0, 1, 0, 0, 1, 0, 0, 0, 1, 0, 0, 0,
                1, 0, 0, 0, 0, 0, 1, 1, 0
```

localhost:8888/notebooks/titanic.ipynb