Use titanic car and convert it into

AIM!

To we the titanic dataset and do the datasciente process in it

PROCEDURE :

- * Step 12. Load the dataset into a data frame
- * slep 2: Display the first few nows using heads)
- * Stip 3: Explore column datatypes and check for missing value using injo ()
 - * slep 4: Apply forward use the simple Imputer to fill the musing values
 - * step s: Ahalyse the passenger class feature using count plot.
 - * Step 6: list and the passengers who are survived (Lemale)
 - * SHP 7: Show all the passengers who had move than 2 siblings.
 - * Step 8: Split the dataset jon testing and training.

```
output !
                   (801,12)
               pangisindera: 891 entries, 0 to 890
        passengur Id ... Fall
   tount 1991.000000 .... 801.000000
                                                                                                                            512.329200
       mas( 991.000000 512.529200
         passenger-id ... Embourked
           The state of the s
         990
                                                                                                  Anguage Fine Page
500-
                                                                                                  teld faunt water
400 -
                      hard zera z many and many servas
                  (623, 11) (623,)
    (260111) (2601)
```

```
PROUBERM !
     import pardas as pol
    data = pol· read_csv(' Titavic.csv')
    dato shape
    data tryou
    data · dus oni be ()
  from skieaun. Impute import simple Emputer
   imp = Simple Imputer ()
   data ['Age'] = tryp. git_transjoem (data ['Age'])
   data.
  data ['cabin'] = data ['labin']. filma [volu - 'unknown]
   data
  data ['Embarted] = data ['Emparkea'] . fillna [data ['Embarted
                                                   · model)
  data
 empont seaborn ous sons
 ins. countplot (data = data, x = polous)
 Jemale - passengois , data [ Colata Cisesi ] = = jemali ) 2
                                (data ['survied1] = = 1)]
 names = female- passenger ['Name1]
 Old-pour = duta Clotata Cipclacs 1] = =1) & (data Citegri) >4
 names
old-pass
combine porsenger 2 pd : concat (Epassenger . old-pass)]
Survived - passengur = combine -passengur [com bine pausengus
                                           [ survioud ==1]
 surined-passengy.
```

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```
mak-passenger = data [ (data ['sess'] = = " mal'] 2
                           (data ['Face '] > 100)]
 male - passinger
Emb passenger = data[(data [| tymbas|cod 1] == c')] 2
                         (data ['pilaus'] = = 2)]
 Emb passonger
 6ib- passenger = data [data [ 'sibsp1] >2)
  sib_passenger
 passenger _ not survived = data [(data ['sib np)] ==0)2
                           idata ['parch 1] = 20)]
  passengu_not - survived
  oldest passenger = data. sost_values ( by = 'Ag',
                                    assending = Palse)
  adust_passerger
  2010 - Jan passenger = data [data ['Fau!] = =0]
    Zero- jary - passengo.
  from stream model-selection import train-test_split
   r=data · diop ('survived), ascis=1)
    V=data [Isuvined]
   1- Main, x-test, y-lear, Y-test = Main_rest_8plit
                                        (x, y, rest sig+ 20.)
   print ( V_ Main Shapes y_Main shape)
```

print (V test . shape) V. test . shape)

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