		Page
Assignment-2	[PANDAS & SKLEARN]	Date.
In[6]:	import pandas as pd	
	· ·	les)
In[9]:		
	_	
	f _a o	
	F ₃ 1	
-		
In [10]:		
	0 1 2 3.0 4.0	
In [11]:	data · dropna (oxis = 1)	
	f_1 f_2	
	0 1 2	
	1 5 6	
	2 0 6	
	Teacher's	Signatu
	In[6]: In[7]: In[8]: In[9]:	In[7]: data = pd. read_excel ('test_data.x In[8]: dota head()

In [18]: import numpy as np

from sklearn impute import Simple Imputer.

imr = Simple Imputer (missing -values = np. nan, strategy = "mean")

imr = imr. fit (data)

imputed data = imr. transform (data)

print (data)

print (imputed -data)

In[19]: data = pd. nead_csv ('inis. esv').
data. kead ().

5.1 3.5 Iris- setosa. 1.4 0.2 4.9 3.0 1.4 0.2 Inis - setosa 4.7 3.2 1.3 0.2 lris - Setosa 4.6 3.1 1.5 0.2 Inis-setosa 3 5.0 3.6 1.4 0.2 Inis-setosa 5.4 3.9 1.7 0.4 Inis-setosa

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In[26]:	data data.	,		d_csv	('in	is.csv', header = None)
		0	١	2	3	4
	0	5.1	3.5	1.4	0.3	lnis - setosa
	1	4.9	3.0	1.4	0.2	Irris - 8etosa
	2	4.7	3.2	1.3	0.2	Inis - setosa
	3	4.6	3.1	1.5	0.2	Inis - setoso.
	4	5.0	3.6	1.4	0.2	Inis - setosa

In[27]: data-columns = ['Sepal length, 'Sepal width,' petal length, 'petal width'
'class']

data. head

	Sepal length	sepal width	petal length	petal width	clau
0	5.1	3.5	1.4	0.2	Inis - setosa.
1	4.9	3.0	1.4	0.2	Inis-setosa.
2	4.7	3.2	1.3	0 · 2	I mis - setosa.
3	4.6	3.1	1.5	0.2	Inis-setosa
4	5.0	3.6	1 · 4	0.2	Inis-setosa.

m[28]: np. unique (data ['class']) map (mapping)

data. head ()

ornay [Inis-setosa, Inis-vensicolon, Inis-vinginica], dtype=object

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	Sepal length 5.1	sepal width	petal length	petal width	Class.
0	5·1 U	3.5	1.4	0.2	٥
ı	4.9	3-0	1.4	0 · 2	0
2	4.7	3.2	1.3	0 · 2	0
3	4.6	3.1	1.5	0.2	0
4	5.0	3.6	1.4	0.2	0

	Sepal length 5:1	sepal width	petal length	petal width	class.
0	5.1	3.5	petal length	0.2	٥
ı	4.9	3.0	1 - 4	0 · 2	0
2	4.7	3.2	1 · 3	0.2	٥
3	4.6	3.1	1.5	0.2	0
4	5.0	3.6	1 - L _t	0.2	0