

i. print(df)

	a	b	c
One	0	7	3
Two	6	2	8
Three	5	9	4

ii. df['a']

One	0
Two	6
Three	5

iii. df.loc['Two']

a	6
b	2
c	8

iv. df[:2]

	a	b	c
One	0	7	3
Two	6	2	8

v. df.iloc[:,:]

	a	b	c
One	0	7	3
Two	6	2	8
Three	5	9	4

vi. df.iloc[:,2]

	a	b
One	0	7
Two	6	2
Three	5	9

vii. list(df.columns)

['a', 'b', 'c']

viii. list(df.index)

['One', 'Two', 'Three']

ix. df['b']['Two']

2

x. list(df.iloc[2, :])

a	5
b	9
c	4

xi. df.drop('a', axis=1)

	b	c
One	7	3
Two	2	8
Three	9	4

xii. df[df.a !=5]

	a	b	c
One	0	7	3
Two	6	2	8

xiii. list(df.sum(axis=0))

[11, 18, 15]

xiv. df.iloc[:, list(df.sum(axis=0) < 17)]

	a	c
One	0	3
Two	6	8
Three	5	4

xv. df.sort_values(by='c')

	a	b	c
One	0	7	3
Three	5	9	4
Two	6	2	8

xvi. df.sort_values(by='Two', axis=1)

	b	a	c
One	7	0	3
Two	2	6	8
Three	9	5	4

xvii. df.T

	One	Two	Three
a	0	6	5
b	7	2	9
c	3	8	4

xviii. (df<=2).any(axis=0)

a	TRUE
b	TRUE

c	FALSE
---	-------

xix. df.applymap(lambda x: x*2-1)

	a	b	c
One	-1	13	5
Two	11	3	15
Three	9	17	7

xx. df.apply(lambda x: max(x), axis=1)

One	7
Two	8
Three	9