

## # 11. Write a Python program to get the first 3 rows of a given DataFrame where data frame create by using dictionary.

```
{'name': ['Dinesh', 'Suresh', 'Rahul', 'Ravi', 'Manoj', 'Hari', 'Yatharth', 'Saurabh', 'Kapil', 'Salini'],
 'runs': [125, 129, 165, np.nan, 109, 120, 145, np.nan, 118, 119],
 'attempts': [1, 3, 2, 3, 2, 3, 1, 1, 2, 1],
 labels = ['A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J'].
```

In [177]:

```
data=pd.DataFrame({'name': ['Dinesh', 'Suresh', 'Rahul', 'Ravi', 'Manoj', 'Hari', 'Yatharth', 'Saurabh', 'Kapil', 'Salini'],
 'runs': [125, 129, 165, np.nan, 109, 120, 145, np.nan, 118, 119],
 'attempts': [1, 3, 2, 3, 2, 3, 1, 1, 2, 1],
 'labels' : ['A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J']})
data
```

Out[177]:

	name	runs	attempts	labels
0	Dinesh	125.0	1	A
1	Suresh	129.0	3	B
2	Rahul	165.0	2	C
3	Ravi	NaN	3	D
4	Manoj	109.0	2	E
5	Hari	120.0	3	F
6	Yatharth	145.0	1	G
7	Saurabh	NaN	1	H
8	Kapil	118.0	2	I
9	Salini	119.0	1	J

In [185]:

```
data.iloc[0:3]
```

Out[185]:

	name	runs	attempts	labels
0	Dinesh	125.0	1	A
1	Suresh	129.0	3	B
2	Rahul	165.0	2	C

In [ ]:

# 12. Write a Python program to select the rows where the 'FuelType' is missing, i.e. is NaN.  
Hint: `print(df[df['FuelType'].isnull().])`

In [333]:

```
df=pd.read_csv("C:\\Users\\HP\\Desktop\\ToyotaCorolla.csv")
df.head()
```

Out[333]:

	Id	Model	Price	Age	Mfg_Month	Mfg_Year	KM	Fuel_Type	HP	Met_Color	...	Cent
0	1	TOYOTA Corolla 2.0 D4D HATCHB TERRA 2/3- Doors	13500	23	10	2002	46986	Diesel	90	1	...	
1	2	TOYOTA Corolla 2.0 D4D HATCHB TERRA 2/3- Doors	13750	23	10	2002	72937	Diesel	90	1	...	
2	3	? TOYOTA Corolla 2.0 D4D HATCHB TERRA 2/3- Doors	13950	24	9	2002	41711	Diesel	90	1	...	
3	4	TOYOTA Corolla 2.0 D4D HATCHB TERRA 2/3- Doors	14950	26	7	2002	48000	Diesel	90	0	...	
4	5	TOYOTA Corolla 2.0 D4D HATCHB SOL 2/3- Doors	13750	30	3	2002	38500	Diesel	90	0	...	

5 rows × 37 columns



In [342]:

```
print(df[df['Fuel_Type'].isnull()])
```

Id		Model										Price	Age	\
61	62	?TOYOTA Corolla 1.6 16V VVT I 5DR SOL 4/5-Doors										16500	27	
242	244	TOYOTA Corolla 1.6 16V VVT I HATCHB SOL 2/3-Doors										11950	43	
283	285	TOYOTA Corolla 1.6 16V VVT I LIFTB LUNA AUT4 4...										13950	40	
293	295	TOYOTA Corolla 1.6 16V VVT I LIFTB LUNA 4/5-Doors										12295	33	
315	317	TOYOTA Corolla 1.6 16V VVT I LIFTB LUNA 4/5-Doors										13950	41	
		Mfg_Month	Mfg_Year	KM	Fuel_Type	HP	Met_Color	...		Central_Lock				\
61		6	2002	37177	NaN	110	0	...						1
242		2	2001	58277	NaN	110	1	...						1
283		5	2001	45600	NaN	110	1	...						1
293		12	2001	42823	NaN	110	1	...						1
315		4	2001	37533	NaN	110	1	...						1
		Powered_Windows		Power_Steering		Radio	Mistlamps	Sport_Model						\
61		1		1		0	1	1						1
242		1		1		0	1	0						0
283		1		1		0	0	0						0
293		1		1		0	0	0						0
315		1		1		0	0	0						0
		Backseat_Divider		Metallic_Rim		Radio_cassette		Tow_Bar						\
61		1		0		0		0						0
242		1		0		0		0						0
283		1		0		0		1						1
293		1		0		0		0						0
315		1		0		0		0						0

[5 rows x 37 columns]



```
df[df['Fuel_Type'].isnull()]
```

Out[341]:

[illegible]

5 rows  $\times$  37 columns



