In [1]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

In [2]:
```
path=r'C:\Users\Lenovo\Documents\Python Sessions\data files\Visadataset - Visa
```

In [3]:
```
pd.read_csv(path)
```

Out[3]:

	case_id	continent	education_of_employee	has_job_experience	requires_job_training
0	EZYV01	Asia	High School	N	N
1	EZYV02	Asia	Master's	Y	N
2	EZYV03	Asia	Bachelor's	N	Y
3	EZYV04	Asia	Bachelor's	N	N
4	EZYV05	Africa	Master's	Y	N
...	...	...	...	...	...
25475	EZYV25476	Asia	Bachelor's	Y	Y
25476	EZYV25477	Asia	High School	Y	N
25477	EZYV25478	Asia	Master's	Y	N
25478	EZYV25479	Asia	Master's	Y	Y
25479	EZYV25480	Asia	Bachelor's	Y	N

25480 rows × 12 columns

In [4]:
```
#with bank data set
path=r'C:\Users\Lenovo\Documents\Python Sessions\data files\bank - bank.csv'
```

In [6]:
```
pd.read_csv(path,sep=',')
```

Out[6]:

	age	job	marital	education	default	balance	housing	loan	contact	day	mon
0	30	unemployed	married	primary	no	1787	no	no	cellular	19	c
1	33	services	married	secondary	no	4789	yes	yes	cellular	11	m
2	35	management	single	tertiary	no	1350	yes	no	cellular	16	a
3	30	management	married	tertiary	no	1476	yes	yes	unknown	3	j
4	59	blue-collar	married	secondary	no	0	yes	no	unknown	5	m
...	...	...	...	...	...	...	...	...	...	...	
4516	33	services	married	secondary	no	-333	yes	no	cellular	30	
4517	57	self-employed	married	tertiary	yes	-3313	yes	yes	unknown	9	m
4518	57	technician	married	secondary	no	295	no	no	cellular	19	a
4519	28	blue-collar	married	secondary	no	1137	no	no	cellular	6	f
4520	44	entrepreneur	single	tertiary	no	1136	yes	yes	cellular	3	a

4521 rows × 17 columns

Create dataframes using list

In [7]:
```
name=['Suresh','Satish','Siva']
age=[32,30,28]
name,age
```

Out[7]:
```
(['Suresh', 'Satish', 'Siva'], [32, 30, 28])
```

In [9]:
```
pd.DataFrame(zip(name,age))
```

Out[9]:

	0	1
0	Suresh	32
1	Satish	30
2	Siva	28

In [10]:
```
data=zip(name,age)
col=['Name','Age']
pd.DataFrame(data,columns=col)
```

Out[10]:

	Name	Age
0	Suresh	32
1	Satish	30
2	Siva	28

ProvidingIndex

In [12]:
```
data=zip(name,age)
col=['Name','Age']
ind=['A','B','C']
pd.DataFrame(data,columns=col,index=ind)
```

Out[12]:

	Name	Age
A	Suresh	32
B	Satish	30
C	Siva	28

AddNewColumn

In [13]:
```
data=zip(name,age)
col=['Name','Age']
ind=['A','B','C']
df=pd.DataFrame(data,columns=col,index=ind)
df
```

Out[13]:

	Name	Age
A	Suresh	32
B	Satish	30
C	Siva	28

In [14]:
```
city_names=['Blr','Hyd','Amr']
df['city']=city_names
df
```

Out[14]:

	Name	Age	city
A	Suresh	32	Blr
B	Satish	30	Hyd
C	Siva	28	Amr

updatetheexistingcolumns

In [15]:
```
df['Name']=['Hari','Giri','Cherry']
df
```

Out[15]:

	Name	Age	city
A	Hari	32	Blr
B	Giri	30	Hyd
C	Cherry	28	Amr

Drop the Column

In [17]:
```
df.drop('city',axis=1,inplace=True)
```

In [18]:
```
df
```

Out[18]:

	Name	Age
A	Hari	32
B	Giri	30
C	Cherry	28

Drop the Row

In [19]:
```
df.drop('C',axis=0,inplace=True)
```

In [20]:
```
df
```

Out[20]:

	Name	Age
A	Hari	32
B	Giri	30

Savethedataframe

In [21]:
```
df.to_csv("output.csv")
df.to_excel("output.xlsx")
```

In [22]:
```
pd.read_csv("output.csv")
```

Out[22]:

	Unnamed: 0	Name	Age
0	A	Hari	32
1	B	Giri	30

Remove The Index

In [23]:
```
df.to_csv("output.csv",index=False)
```

In [24]:
```
df
```

Out[24]:

	Name	Age
A	Hari	32
B	Giri	30

In [25]:
```
pd.read_csv("output.csv")
```

Out[25]:

	Name	Age
0	Hari	32
1	Giri	30

In [ ]: