```
import pandas

mydataset = {
  'cars': ["Kia", "Volvo", "Ford"],
  'passings': [3, 7, 2]
}

myvar = pandas.DataFrame(mydataset)

print(myvar)
```

```
    cars  passings
0    Kia         3
1  Volvo         7
2   Ford         2
```

```
import pandas as pd

mydataset = {
  'cars': ["BMW", "Volvo", "Ford"],
  'passings': [3, 7, 2]
}

myvar = pd.DataFrame(mydataset)

print(myvar)
```

```
    cars  passings
0    BMW         3
1  Volvo         7
2   Ford         2
```

```
import pandas as pd

print(pd.__version__)
```

```
1.3.4
```

```
# Create series from a list
import pandas as pd

a = [2, 5, 9]

myvar = pd.Series(a)

print(myvar)
```

```
0    2
1    5
2    9
dtype: int64
```

```python
# By using Index argument
import pandas as pd

a = [2, 5, 9]

myvar = pd.Series(a, index = ["x", "y", "z"])

print(myvar)
```

```
x    2
y    5
z    9
dtype: int64
```

```python
# Creating Pandas series from a dictionary
import pandas as pd

calories = {"day1": 690, "day2": 360, "day3": 220}

myvar = pd.Series(calories)

print(myvar)
```

```
day1    690
day2    360
day3    220
dtype: int64
```

```python
# Creating a series using only day1 and day2
import pandas as pd

calories = {"day1": 690, "day2": 360, "day3": 220}

myvar = pd.Series(calories, index = ["day1", "day2"])

print(myvar)
```

```
day1    690
day2    360
dtype: int64
```

```python
# Creating a Dataframes
import pandas as pd

data = {
    "calories": [990, 850, 450],
    "duration": [60, 50, 30]
}

myvar = pd.DataFrame(data)
```

```
print(myvar)
```

```
   calories  duration
0       990        60
1       850        50
2       450        30
```

```
# load data into a DataFrame object:
df = pd.DataFrame(data)

print(df.loc[2])
```

```
calories    390
duration     45
Name: 2, dtype: int64
```

```
# Use a list of indexes:
print(df.loc[[0, 2]])
```

```
   calories  duration
0       420        50
2       390        45
```

```
# Named Indexes
import pandas as pd

data = {
  "calories":[990, 850, 450],
    "duration": [60, 50, 30]
}

df = pd.DataFrame(data, index = ["day1", "day2", "day3"])

print(df)
```

```
      calories  duration
day1       990        60
day2       850        50
day3       450        30
```

```
# Locate Named Indexes
import pandas as pd

data = {
  "calories": [420, 380, 390],
  "duration": [50, 40, 45]
}

df = pd.DataFrame(data, index = ["day1", "day2", "day3"])
```

```
print(df.loc["day2"])
```

```
calories    380
duration     40
Name: day2, dtype: int64
```

```
# Load Files Into a DataFrame
import pandas as pd

df = pd.read_csv('data.csv')

print(df)
```

```
       name  price
0      Book     25
1      Coke     50
2      Cake     74
3     Pizza    150
4    Burger     95
5  Sandwich     80
6     watch   5000
7    Mobile  25000
```

```
import pandas as pd

df = pd.read_csv('C:\\Users\CSE22004\Documents\VU21CSEN0101226.Manasa\
info.csv')

print(df)
```

```
   Sno      Names  Marks
0    1     Chaitu     93
1    2     Manasa     97
2    3  Varshitha     95
3    4    Abhigna     96
```

```
import pandas as pd
df = pd.read_csv("C:\\Users\CSE22004\Documents\VU21CSEN0101226.Manasa\
item.csv")
print(df)
```

```
   Sno         Item Non Veg
0    1       Paneer  Chickn
1    2     Mushroom    Fish
2    3    Baby Corn  Mutton
3    4  Kaju Paneer  Prawns
```

```
# Series in pandas in int
import pandas as nsk
c=[1,7,5,8,3]
```

```
z=nsk.Series(c)
print(z)
```

```
0    1
1    7
2    5
3    8
4    3
dtype: int64
```

```
# Series in pandas in float
import pandas as nsk
c=[1,7.5,8.6,3]
z=nsk.Series(c)
print(z)
```

```
0    1.0
1    7.5
2    8.6
3    3.0
dtype: float64
```

```
# Remove Rows from dataframe
# Cleaning Data
import pandas as pd

df = pd.read_csv('D://item.csv')
new_df = df.dropna()
print(new_df.to_string())
```

```
   Sno         Item Non Veg
0    1       Paneer  Chickn
1    2     Mushroom    Fish
2    3    Baby Corn  Mutton
3    4  Kaju Paneer  Prawns
```

```
# Replace NULL value with the number
import pandas as pd
df = pd.read_csv('D://Names,age,gender.csv')

df.dropna(inplace = True)

print(df.to_string())
```

```
   SL.No    Names  Age Gender
0      1   Manasa   18      F
1      2  Abhigna   17      F
2      3  Jayanth   20      M
```

```
# Replace NULL Values with number T
import pandas as pd
```

```
df = pd.read_csv('D:\\Names,age,gender.csv')

df.fillna("T", inplace = True)
print(df)
```

```
   SL.No    Names  Age Gender
0      1   Manasa   18      F
1      2  Abhigna   17      F
2      3  Jayanth   20      M
3      4   Ramesh   22      T
```

```
# Cleaning Wrong Format
import pandas as pd

df = pd.read_csv('C:\\Users\CSE22004\Documents\VU21CSEN0101226.Manasa\
dob.csv')

df['DOB'] = pd.to_datetime(df['DOB'])

print(df.to_string())
```

```
   Sno     name        DOB
0    1   chaitu 2004-05-17
1    2   manasa 2003-10-10
2    3  abhigna 2004-06-05
```

```
import pandas as pd

df = pd.read_csv('C:\\Users\CSE22004\Documents\VU21CSEN0101226.Manasa\
marks.csv')

for x in df.index:
  if df.loc[x, "marks"] == 90:
    df.loc[x, "marks"] = 93

print(df.to_string())
```

```
   Sno      name  marks
0    1   Manasa    100
1    2   Chaitu     93
2    3  Abhigna     95
3    4  Rithika     96
4    5     Riya     92
```