```python
import pandas as pd
import numpy as np


information = {"Cars":['BMW','Benz','Rolls Royce','Audi','Bentley'],
              "fuel":['petrol','Diesel','Electric','CNG','Liquified Gas'],
              "price":[50000,60000,75000,92000,150000],
              "Mileage":[18.6,19.3,np.nan,20.6,21.4]}
information
```

```
{'Cars': ['BMW', 'Benz', 'Rolls Royce', 'Audi', 'Bentley'],
 'fuel': ['petrol', 'Diesel', 'Electric', 'CNG', 'Liquified Gas'],
 'price': [50000, 60000, 75000, 92000, 150000],
 'Mileage': [18.6, 19.3, nan, 20.6, 21.4]}
```

Task - 1 Create a pandas dataframe (DataFrame name as 'df') (4 observation and 4 features)

```python
df=pd.DataFrame(information)
df
```

	Cars	fuel	price	Mileage
0	BMW	petrol	50000	18.6
1	Benz	Diesel	60000	19.3
2	Rolls Royce	Electric	75000	NaN
3	Audi	CNG	92000	20.6
4	Bentley	Liquified Gas	150000	21.4

Task- 2 Check the info of 'df'

```python
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 5 entries, 0 to 4
Data columns (total 4 columns):
 #   Column   Non-Null Count  Dtype
---  ------   --------------  -----
 0   Cars     5 non-null      object
 1   fuel     5 non-null      object
 2   price    5 non-null      int64
 3   Mileage  4 non-null      float64
dtypes: float64(1), int64(1), object(2)
memory usage: 288.0+ bytes
```

Task 3- Check the descriptive statistics of 'df'

```python
df.describe()
```

	price	Mileage
count	5.000000	4.000000
mean	85400.000000	19.975000
std	39443.630665	1.260622
min	50000.000000	18.600000
25%	60000.000000	19.125000
50%	75000.000000	19.950000
75%	92000.000000	20.800000
max	150000.000000	21.400000

Task 4- check the 4th index observation with 'loc' slicing operator.

```python
df.loc[4]
```

```
Cars              Bentley
fuel        Liquified Gas
price              150000
Mileage              21.4
Name: 4, dtype: object
```

Task 5 - Check the null values in your 'df'

```
df.isnull().sum()
```

```
Cars       0
fuel       0
price      0
Mileage    1
dtype: int64
```

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