3.1.4) Info of the dataset
3.1.5) Summary of the dataset

### 3.1.1) Head of the Dataset

```
# Display first five records
parkinsons_data.head()

# Display last five records
parkinsons_data.tail()
```

### 3.1.2) The Shape of Dataset

```
parkinsons_data.shape
```

### 3.1.3)List types of columns

```
parkinsons_data.dtypes
```

### 3.1.4)Info of Dataset

```
# getting some info about the data
parkinsons_data.info()

# checking for missing values
parkinsons_data.isnull().sum()

# Statistical Summary
parkinsons_data.describe()

# checking the distribution of target Variable
parkinsons_data['status'].value_counts()
```

```
1 --> Parkinson's Positive


2 --> Healthy
```

```
# grouping the data based on the target variable
parkinsons_data.groupby('status').mean()
```

## Step 4: Split the data frame in X & Y

```
X = parkinsons_data.drop(columns=['name','status'], axis=1)
Y = parkinsons_data['status']

X.head()

Y.head()
```