In [1]:
```
#PANDAS Library
import pandas as pd
```

In [3]:
```
df=pd.read_csv("student_dataset.csv")          # load CSV file
```

In [5]:
```
df.head()
```

Out[5]:

	ID	Name	Age	Marks	Gender
0	1	Student_1	24	94	Male
1	2	Student_2	21	81	Female
2	3	Student_3	22	90	Male
3	4	Student_4	24	56	Female
4	5	Student_5	20	44	Female

In [6]:
```
df.tail()
```

Out[6]:

	ID	Name	Age	Marks	Gender
995	996	Student_996	23	82	Female
996	997	Student_997	18	73	Female
997	998	Student_998	24	96	Female
998	999	Student_999	21	65	Male
999	1000	Student_1000	23	80	Male

In [9]:
```
df.shape
```

Out[9]:
```
(1000, 5)
```

In [10]:
```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1000 entries, 0 to 999
Data columns (total 5 columns):
 #   Column  Non-Null Count  Dtype 
---  ------  --------------  ----- 
 0   ID      1000 non-null   int64 
 1   Name    1000 non-null   object
 2   Age     1000 non-null   int64 
 3   Marks   1000 non-null   int64 
 4   Gender  1000 non-null   object
dtypes: int64(3), object(2)
memory usage: 39.2+ KB
```

In [11]:
```
df.dtypes
```

Out[11]:
```
ID         int64
Name      object
Age        int64
Marks      int64
Gender    object
dtype: object
```

In [12]:
```
df.describe()
```

Out[12]:

	ID	Age	Marks
count	1000.000000	1000.0000	1000.000000
mean	500.500000	20.9600	70.232000
std	288.819436	2.0036	17.468638
min	1.000000	18.0000	40.000000
25%	250.750000	19.0000	56.000000
50%	500.500000	21.0000	70.000000
75%	750.250000	23.0000	86.000000
max	1000.000000	24.0000	100.000000

In [14]:
```
df.columns
```

Out[14]:
```
Index(['ID', 'Name', 'Age', 'Marks', 'Gender'], dtype='object')
```

In [16]:
```
df['Age'].mean()
```

Out[16]:
```
np.float64(20.96)
```

In [17]:
```
df['Marks'].max()
```

Out[17]:
```
np.int64(100)
```

In [19]:
```
df['ID'].min()
```

Out[19]:
```
np.int64(1)
```

In [20]:
```
df['Marks'].median()
```

Out[20]:
```
np.float64(70.0)
```

In [21]:
```
df['Marks'].sum()
```

Out[21]:
```
np.int64(70232)
```

In [22]:
```
df['Age'].value_counts()
```

Out[22]:
```
Age
21    156
18    156
22    148
24    138
19    137
23    135
20    130
Name: count, dtype: int64
```

In [ ]: