```
import pandas as pd
df=pd.read_csv("/content/SAMPLEIDS.csv")
print(df)
```

```
     SNO    REGNO      NAME         DOB  GENDER      ADDRESS    M1    M2    M3  \
0     1  1220121      ARUN  2000-02-10    MALE    THANDALAM  82.0  81.0  90.0
1     2  1220122      BABU  1999-01-25    MALE  KANCHIPURAM  56.0  61.0  80.0
2     3  1220123    CHARAN  2000.09.21    MALE    THANDALAM   NaN  59.0  60.0
3     4  1220124      DEVA  2000-11-09    MALE   POONAMALEE  74.0  79.0  80.0
4     5  1220125     ESTER  2000-11-21  FEMALE      CHITHUR  92.0  95.0  96.0
5     6  1220126   FARHANA  1999-03-05  FEMALE    THANDALAM  91.0  88.0  90.0
6     7  1220127      GANI  2000-10-02    MALE  KANCHIPURAM  49.0  51.0  70.0
7     7  1220127      GANI  2000-10-02    MALE  KANCHIPURAM  49.0  51.0  70.0
8     8  1220128      HEMA  1999-01-25  FEMALE   POONAMALEE  95.0  96.0  90.0
9     9  1220129     INDRA  2000.09.21  FEMALE  KANCHIPURAM  64.0   NaN   NaN
10   10  1220130    JAHITH  2000-11-09    MALE    THANDALAM  34.0  45.0  50.0
11   11  1220131      KANI  2000-11-21  FEMALE      CHITHUR  96.0  95.0  96.0
12   12  1220132  LATHESSH  1999-03-05    MALE    THANDALAM   NaN  68.0  70.0
13   13  1220133      MANI  2000-10-02    MALE  KANCHIPURAM  71.0  76.0   NaN
14   14  1220134      NANI    20001109    MALE   POONAMALEE  79.0  77.0  80.0
15   15  1220135       NaN    19990125     NaN          NaN   NaN   NaN   NaN
16   16  1220136   PRATHAP    20000921    MALE  KANCHIPURAM  86.0  84.0  90.0
17   17  1220137     RAGHU    20001109    MALE   POONAMALEE  67.0  64.0  70.0
18   18  1220138     RATHI    20001121  FEMALE  KANCHIPURAM  81.0  86.0  90.0
19   19  1220139   SARVESH    19990305    MALE    THANDALAM  84.0  87.0   NaN
20   20  1220140  SANTHOSH    20001002    MALE  KANCHIPURAM  76.0  69.0  80.0

      M4  TOTAL         AVG
0    NaN    NaN         NaN
1   56.0  253.0   84.333333
2   70.0    NaN    0.000000
3   74.0  307.0  102.333333
4   92.0  375.0  125.000000
5   91.0  360.0  120.000000
6   49.0  219.0   73.000000
7   49.0  219.0   73.000000
8   95.0  376.0  125.333333
9   64.0    NaN    0.000000
10  34.0  163.0   54.333333
11  96.0  383.0  127.666667
12  70.0  208.0   69.333333
13  71.0    NaN    0.000000
14  79.0  315.0  105.000000
15   NaN    0.0    0.000000
16  86.0  346.0  115.333333
17   NaN  201.0   67.000000
18  81.0  338.0  112.666667
19  84.0    NaN    0.000000
20  76.0  301.0  100.333333
```

```
from google.colab import drive
drive.mount('/content/drive')
```

```
Start coding or generate with AI.
```

```
df['GENDER'].value_counts()
```

GENDER	count
MALE	14
FEMALE	6

```
df.dropna(how='any').shape
```

```
(13, 12)
```

```
df.dropna(how='any',axis=1).shape
```

```
(21, 3)
```

```
x=df.dropna(how='any')
print(x)
```

```
   SNO    REGNO      NAME         DOB  GENDER      ADDRESS    M1    M2    M3  \
1    2  1220122      BABU  1999-01-25    MALE  KANCHIPURAM  56.0  61.0  80.0
3    4  1220124      DEVA  2000-11-09    MALE   POONAMALEE  74.0  79.0  80.0
4    5  1220125     ESTER  2000-11-21  FEMALE      CHITHUR  92.0  95.0  96.0
```

```
5     6  1220126   FARHANA  1999-03-05  FEMALE    THANDALAM  91.0  88.0  90.0
6     7  1220127      GANI  2000-10-02    MALE  KANCHIPURAM  49.0  51.0  70.0
7     7  1220127      GANI  2000-10-02    MALE  KANCHIPURAM  49.0  51.0  70.0
8     8  1220128      HEMA  1999-01-25  FEMALE   POONAMALEE  95.0  96.0  90.0
10   10  1220130    JAHITH  2000-11-09    MALE    THANDALAM  34.0  45.0  50.0
11   11  1220131      KANI  2000-11-21  FEMALE      CHITHUR  96.0  95.0  96.0
14   14  1220134      NANI    20001109    MALE   POONAMALEE  79.0  77.0  80.0
16   16  1220136   PRATHAP    20000921    MALE  KANCHIPURAM  86.0  84.0  90.0
18   18  1220138     RATHI    20001121  FEMALE  KANCHIPURAM  81.0  86.0  90.0
20   20  1220140  SANTHOSH    20001002    MALE  KANCHIPURAM  76.0  69.0  80.0

      M4  TOTAL         AVG
1   56.0  253.0   84.333333
3   74.0  307.0  102.333333
4   92.0  375.0  125.000000
5   91.0  360.0  120.000000
6   49.0  219.0   73.000000
7   49.0  219.0   73.000000
8   95.0  376.0  125.333333
10  34.0  163.0   54.333333
11  96.0  383.0  127.666667
14  79.0  315.0  105.000000
16  86.0  346.0  115.333333
18  81.0  338.0  112.666667
20  76.0  301.0  100.333333
```

```
x2=df.dropna(how='all').shape
print(x2)
```

```
(21, 12)
```

```
tot=df.dropna(subset=['TOTAL'],how='any')
tot
```

	SNO	REGNO	NAME	DOB	GENDER	ADDRESS	M1	M2	M3	M4	TOTAL	AVG
1	2	1220122	BABU	1999-01-25	MALE	KANCHIPURAM	56.0	61.0	80.0	56.0	253.0	84.333333
3	4	1220124	DEVA	2000-11-09	MALE	POONAMALEE	74.0	79.0	80.0	74.0	307.0	102.333333
4	5	1220125	ESTER	2000-11-21	FEMALE	CHITHUR	92.0	95.0	96.0	92.0	375.0	125.000000
5	6	1220126	FARHANA	1999-03-05	FEMALE	THANDALAM	91.0	88.0	90.0	91.0	360.0	120.000000
6	7	1220127	GANI	2000-10-02	MALE	KANCHIPURAM	49.0	51.0	70.0	49.0	219.0	73.000000
7	7	1220127	GANI	2000-10-02	MALE	KANCHIPURAM	49.0	51.0	70.0	49.0	219.0	73.000000
8	8	1220128	HEMA	1999-01-25	FEMALE	POONAMALEE	95.0	96.0	90.0	95.0	376.0	125.333333
10	10	1220130	JAHITH	2000-11-09	MALE	THANDALAM	34.0	45.0	50.0	34.0	163.0	54.333333
11	11	1220131	KANI	2000-11-21	FEMALE	CHITHUR	96.0	95.0	96.0	96.0	383.0	127.666667
12	12	1220132	LATHESSH	1999-03-05	MALE	THANDALAM	NaN	68.0	70.0	70.0	208.0	69.333333
14	14	1220134	NANI	20001109	MALE	POONAMALEE	79.0	77.0	80.0	79.0	315.0	105.000000
15	15	1220135	NaN	19990125	NaN	NaN	NaN	NaN	NaN	NaN	0.0	0.000000
16	16	1220136	PRATHAP	20000921	MALE	KANCHIPURAM	86.0	84.0	90.0	86.0	346.0	115.333333
17	17	1220137	RAGHU	20001109	MALE	POONAMALEE	67.0	64.0	70.0	NaN	201.0	67.000000
18	18	1220138	RATHI	20001121	FEMALE	KANCHIPURAM	81.0	86.0	90.0	81.0	338.0	112.666667
20	20	1220140	SANTHOSH	20001002	MALE	KANCHIPURAM	76.0	69.0	80.0	76.0	301.0	100.333333

```
tot=df.dropna(subset=['M1','M2','M3','M4'],how='any')
tot
```

	SNO	REGNO	NAME	DOB	GENDER	ADDRESS	M1	M2	M3	M4	TOTAL	AVG
1	2	1220122	BABU	1999-01-25	MALE	KANCHIPURAM	56.0	61.0	80.0	56.0	253.0	84.333333
3	4	1220124	DEVA	2000-11-09	MALE	POONAMALEE	74.0	79.0	80.0	74.0	307.0	102.333333
4	5	1220125	ESTER	2000-11-21	FEMALE	CHITHUR	92.0	95.0	96.0	92.0	375.0	125.000000
5	6	1220126	FARHANA	1999-03-05	FEMALE	THANDALAM	91.0	88.0	90.0	91.0	360.0	120.000000
6	7	1220127	GANI	2000-10-02	MALE	KANCHIPURAM	49.0	51.0	70.0	49.0	219.0	73.000000
7	7	1220127	GANI	2000-10-02	MALE	KANCHIPURAM	49.0	51.0	70.0	49.0	219.0	73.000000
8	8	1220128	HEMA	1999-01-25	FEMALE	POONAMALEE	95.0	96.0	90.0	95.0	376.0	125.333333
10	10	1220130	JAHITH	2000-11-09	MALE	THANDALAM	34.0	45.0	50.0	34.0	163.0	54.333333
11	11	1220131	KANI	2000-11-21	FEMALE	CHITHUR	96.0	95.0	96.0	96.0	383.0	127.666667
14	14	1220134	NANI	20001109	MALE	POONAMALEE	79.0	77.0	80.0	79.0	315.0	105.000000
16	16	1220136	PRATHAP	20000921	MALE	KANCHIPURAM	86.0	84.0	90.0	86.0	346.0	115.333333
18	18	1220138	RATHI	20001121	FEMALE	KANCHIPURAM	81.0	86.0	90.0	81.0	338.0	112.666667
20	20	1220140	SANTHOSH	20001002	MALE	KANCHIPURAM	76.0	69.0	80.0	76.0	301.0	100.333333

```
s=df.fillna(0)
s
```

	SNO	REGNO	NAME	DOB	GENDER	ADDRESS	M1	M2	M3	M4	TOTAL	AVG
0	1	1220121	ARUN	2000-02-10	MALE	THANDALAM	82.0	81.0	90.0	0.0	0.0	0.000000
1	2	1220122	BABU	1999-01-25	MALE	KANCHIPURAM	56.0	61.0	80.0	56.0	253.0	84.333333
2	3	1220123	CHARAN	2000.09.21	MALE	THANDALAM	0.0	59.0	60.0	70.0	0.0	0.000000
3	4	1220124	DEVA	2000-11-09	MALE	POONAMALEE	74.0	79.0	80.0	74.0	307.0	102.333333
4	5	1220125	ESTER	2000-11-21	FEMALE	CHITHUR	92.0	95.0	96.0	92.0	375.0	125.000000
5	6	1220126	FARHANA	1999-03-05	FEMALE	THANDALAM	91.0	88.0	90.0	91.0	360.0	120.000000
6	7	1220127	GANI	2000-10-02	MALE	KANCHIPURAM	49.0	51.0	70.0	49.0	219.0	73.000000
7	7	1220127	GANI	2000-10-02	MALE	KANCHIPURAM	49.0	51.0	70.0	49.0	219.0	73.000000
8	8	1220128	HEMA	1999-01-25	FEMALE	POONAMALEE	95.0	96.0	90.0	95.0	376.0	125.333333
9	9	1220129	INDRA	2000.09.21	FEMALE	KANCHIPURAM	64.0	0.0	0.0	64.0	0.0	0.000000
10	10	1220130	JAHITH	2000-11-09	MALE	THANDALAM	34.0	45.0	50.0	34.0	163.0	54.333333
11	11	1220131	KANI	2000-11-21	FEMALE	CHITHUR	96.0	95.0	96.0	96.0	383.0	127.666667
12	12	1220132	LATHESSH	1999-03-05	MALE	THANDALAM	0.0	68.0	70.0	70.0	208.0	69.333333
13	13	1220133	MANI	2000-10-02	MALE	KANCHIPURAM	71.0	76.0	0.0	71.0	0.0	0.000000
14	14	1220134	NANI	20001109	MALE	POONAMALEE	79.0	77.0	80.0	79.0	315.0	105.000000
15	15	1220135	0	19990125	0	0	0.0	0.0	0.0	0.0	0.0	0.000000
16	16	1220136	PRATHAP	20000921	MALE	KANCHIPURAM	86.0	84.0	90.0	86.0	346.0	115.333333
17	17	1220137	RAGHU	20001109	MALE	POONAMALEE	67.0	64.0	70.0	0.0	201.0	67.000000
18	18	1220138	RATHI	20001121	FEMALE	KANCHIPURAM	81.0	86.0	90.0	81.0	338.0	112.666667
19	19	1220139	SARVESH	19990305	MALE	THANDALAM	84.0	87.0	0.0	84.0	0.0	0.000000
20	20	1220140	SANTHOSH	20001002	MALE	KANCHIPURAM	76.0	69.0	80.0	76.0	301.0	100.333333

```
s=df.fillna(method='ffill')
s
```

```
<ipython-input-13-aa69e07eb2f1>:1: FutureWarning: DataFrame.fillna with 'method' is deprecated and will raise in a future version. U
  s=df.fillna(method='ffill')
```

	SNO	REGNO	NAME	DOB	GENDER	ADDRESS	M1	M2	M3	M4	TOTAL	AVG
0	1	1220121	ARUN	2000-02-10	MALE	THANDALAM	82.0	81.0	90.0	NaN	NaN	NaN
1	2	1220122	BABU	1999-01-25	MALE	KANCHIPURAM	56.0	61.0	80.0	56.0	253.0	84.333333
2	3	1220123	CHARAN	2000.09.21	MALE	THANDALAM	56.0	59.0	60.0	70.0	253.0	0.000000
3	4	1220124	DEVA	2000-11-09	MALE	POONAMALEE	74.0	79.0	80.0	74.0	307.0	102.333333
4	5	1220125	ESTER	2000-11-21	FEMALE	CHITHUR	92.0	95.0	96.0	92.0	375.0	125.000000
5	6	1220126	FARHANA	1999-03-05	FEMALE	THANDALAM	91.0	88.0	90.0	91.0	360.0	120.000000
6	7	1220127	GANI	2000-10-02	MALE	KANCHIPURAM	49.0	51.0	70.0	49.0	219.0	73.000000
7	7	1220127	GANI	2000-10-02	MALE	KANCHIPURAM	49.0	51.0	70.0	49.0	219.0	73.000000
8	8	1220128	HEMA	1999-01-25	FEMALE	POONAMALEE	95.0	96.0	90.0	95.0	376.0	125.333333
9	9	1220129	INDRA	2000.09.21	FEMALE	KANCHIPURAM	64.0	96.0	90.0	64.0	376.0	0.000000
10	10	1220130	JAHITH	2000-11-09	MALE	THANDALAM	34.0	45.0	50.0	34.0	163.0	54.333333
11	11	1220131	KANI	2000-11-21	FEMALE	CHITHUR	96.0	95.0	96.0	96.0	383.0	127.666667
12	12	1220132	LATHESSH	1999-03-05	MALE	THANDALAM	96.0	68.0	70.0	70.0	208.0	69.333333
13	13	1220133	MANI	2000-10-02	MALE	KANCHIPURAM	71.0	76.0	70.0	71.0	208.0	0.000000
14	14	1220134	NANI	20001109	MALE	POONAMALEE	79.0	77.0	80.0	79.0	315.0	105.000000
15	15	1220135	NANI	19990125	MALE	POONAMALEE	79.0	77.0	80.0	79.0	0.0	0.000000
16	16	1220136	PRATHAP	20000921	MALE	KANCHIPURAM	86.0	84.0	90.0	86.0	346.0	115.333333
17	17	1220137	RAGHU	20001109	MALE	POONAMALEE	67.0	64.0	70.0	86.0	201.0	67.000000
18	18	1220138	RATHI	20001121	FEMALE	KANCHIPURAM	81.0	86.0	90.0	81.0	338.0	112.666667
19	19	1220139	SARVESH	19990305	MALE	THANDALAM	84.0	87.0	90.0	84.0	338.0	0.000000
20	20	1220140	SANTHOSH	20001002	MALE	KANCHIPURAM	76.0	69.0	80.0	76.0	301.0	100.333333

```
df.isna().sum()
```

	0
SNO	0
REGNO	0
NAME	1
DOB	0
GENDER	1
ADDRESS	1
M1	3
M2	2
M3	4
M4	3
TOTAL	5
AVG	1

```
df['M1']
```

	M1
0	82.0
1	56.0
2	NaN
3	74.0
4	92.0
5	91.0
6	49.0
7	49.0
8	95.0
9	64.0
10	34.0
11	96.0
12	NaN
13	71.0
14	79.0
15	NaN
16	86.0
17	67.0
18	81.0
19	84.0
20	76.0

```
df.isnull()
```

	SNO	REGNO	NAME	DOB	GENDER	ADDRESS	M1	M2	M3	M4	TOTAL	AVG
0	False	False	False	False	False	False	False	False	False	True	True	True
1	False	False	False	False	False	False	False	False	False	False	False	False
2	False	False	False	False	False	False	True	False	False	False	True	False
3	False	False	False	False	False	False	False	False	False	False	False	False
4	False	False	False	False	False	False	False	False	False	False	False	False
5	False	False	False	False	False	False	False	False	False	False	False	False
6	False	False	False	False	False	False	False	False	False	False	False	False
7	False	False	False	False	False	False	False	False	False	False	False	False
8	False	False	False	False	False	False	False	False	False	False	False	False
9	False	False	False	False	False	False	False	True	True	False	True	False
10	False	False	False	False	False	False	False	False	False	False	False	False
11	False	False	False	False	False	False	False	False	False	False	False	False
12	False	False	False	False	False	False	True	False	False	False	False	False
13	False	False	False	False	False	False	False	False	True	False	True	False
14	False	False	False	False	False	False	False	False	False	False	False	False
15	False	False	True	False	True	True	True	True	True	True	False	False
16	False	False	False	False	False	False	False	False	False	False	False	False
17	False	False	False	False	False	False	False	False	False	True	False	False
18	False	False	False	False	False	False	False	False	False	False	False	False
19	False	False	False	False	False	False	False	False	True	False	True	False
20	False	False	False	False	False	False	False	False	False	False	False	False

```
df.notnull()
```

	SNO	REGNO	NAME	DOB	GENDER	ADDRESS	M1	M2	M3	M4	TOTAL	AVG
0	True	True	True	True	True	True	True	True	True	False	False	False
1	True	True	True	True	True	True	True	True	True	True	True	True
2	True	True	True	True	True	True	False	True	True	True	False	True
3	True	True	True	True	True	True	True	True	True	True	True	True
4	True	True	True	True	True	True	True	True	True	True	True	True
5	True	True	True	True	True	True	True	True	True	True	True	True
6	True	True	True	True	True	True	True	True	True	True	True	True
7	True	True	True	True	True	True	True	True	True	True	True	True
8	True	True	True	True	True	True	True	True	True	True	True	True
9	True	True	True	True	True	True	True	False	False	True	False	True
10	True	True	True	True	True	True	True	True	True	True	True	True
11	True	True	True	True	True	True	True	True	True	True	True	True
12	True	True	True	True	True	True	False	True	True	True	True	True
13	True	True	True	True	True	True	True	True	False	True	False	True
14	True	True	True	True	True	True	True	True	True	True	True	True
15	True	True	False	True	False	False	False	False	False	False	True	True
16	True	True	True	True	True	True	True	True	True	True	True	True
17	True	True	True	True	True	True	True	True	True	False	True	True
18	True	True	True	True	True	True	True	True	True	True	True	True
19	True	True	True	True	True	True	True	True	False	True	False	True
20	True	True	True	True	True	True	True	True	True	True	True	True

```
x1=df.dropna(axis=0)
x1
```

	SNO	REGNO	NAME	DOB	GENDER	ADDRESS	M1	M2	M3	M4	TOTAL	AVG
1	2	1220122	BABU	1999-01-25	MALE	KANCHIPURAM	56.0	61.0	80.0	56.0	253.0	84.333333
3	4	1220124	DEVA	2000-11-09	MALE	POONAMALEE	74.0	79.0	80.0	74.0	307.0	102.333333
4	5	1220125	ESTER	2000-11-21	FEMALE	CHITHUR	92.0	95.0	96.0	92.0	375.0	125.000000
5	6	1220126	FARHANA	1999-03-05	FEMALE	THANDALAM	91.0	88.0	90.0	91.0	360.0	120.000000
6	7	1220127	GANI	2000-10-02	MALE	KANCHIPURAM	49.0	51.0	70.0	49.0	219.0	73.000000
7	7	1220127	GANI	2000-10-02	MALE	KANCHIPURAM	49.0	51.0	70.0	49.0	219.0	73.000000
8	8	1220128	HEMA	1999-01-25	FEMALE	POONAMALEE	95.0	96.0	90.0	95.0	376.0	125.333333
10	10	1220130	JAHITH	2000-11-09	MALE	THANDALAM	34.0	45.0	50.0	34.0	163.0	54.333333
11	11	1220131	KANI	2000-11-21	FEMALE	CHITHUR	96.0	95.0	96.0	96.0	383.0	127.666667
14	14	1220134	NANI	20001109	MALE	POONAMALEE	79.0	77.0	80.0	79.0	315.0	105.000000
16	16	1220136	PRATHAP	20000921	MALE	KANCHIPURAM	86.0	84.0	90.0	86.0	346.0	115.333333
18	18	1220138	RATHI	20001121	FEMALE	KANCHIPURAM	81.0	86.0	90.0	81.0	338.0	112.666667
20	20	1220140	SANTHOSH	20001002	MALE	KANCHIPURAM	76.0	69.0	80.0	76.0	301.0	100.333333

```
df.duplicated()
```

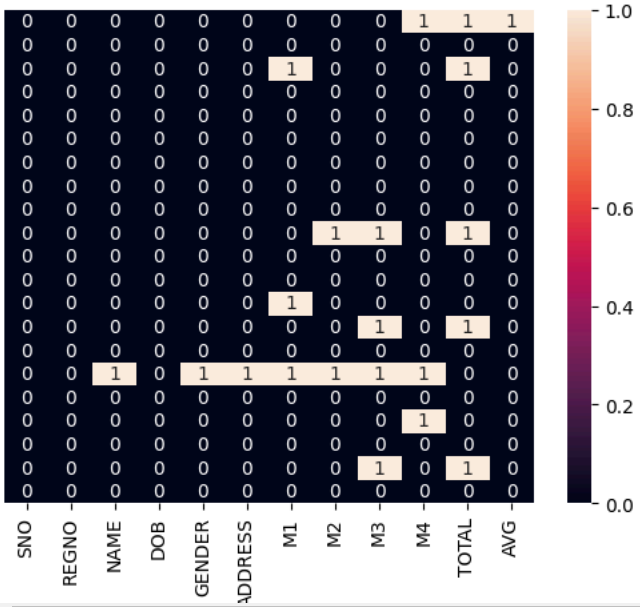
	0
0	False
1	False
2	False
3	False
4	False
5	False
6	False
7	True
8	False
9	False
10	False
11	False
12	False
13	False
14	False
15	False
16	False
17	False
18	False
19	False
20	False

```
m=df.drop_duplicates(inplace=False)
m
```

	SNO	REGNO	NAME	DOB	GENDER	ADDRESS	M1	M2	M3	M4	TOTAL	AVG
0	1	1220121	ARUN	2000-02-10	MALE	THANDALAM	82.0	81.0	90.0	NaN	NaN	NaN
1	2	1220122	BABU	1999-01-25	MALE	KANCHIPURAM	56.0	61.0	80.0	56.0	253.0	84.333333
2	3	1220123	CHARAN	2000.09.21	MALE	THANDALAM	NaN	59.0	60.0	70.0	NaN	0.000000
3	4	1220124	DEVA	2000-11-09	MALE	POONAMALEE	74.0	79.0	80.0	74.0	307.0	102.333333
4	5	1220125	ESTER	2000-11-21	FEMALE	CHITHUR	92.0	95.0	96.0	92.0	375.0	125.000000
5	6	1220126	FARHANA	1999-03-05	FEMALE	THANDALAM	91.0	88.0	90.0	91.0	360.0	120.000000
6	7	1220127	GANI	2000-10-02	MALE	KANCHIPURAM	49.0	51.0	70.0	49.0	219.0	73.000000
8	8	1220128	HEMA	1999-01-25	FEMALE	POONAMALEE	95.0	96.0	90.0	95.0	376.0	125.333333
9	9	1220129	INDRA	2000.09.21	FEMALE	KANCHIPURAM	64.0	NaN	NaN	64.0	NaN	0.000000
10	10	1220130	JAHITH	2000-11-09	MALE	THANDALAM	34.0	45.0	50.0	34.0	163.0	54.333333
11	11	1220131	KANI	2000-11-21	FEMALE	CHITHUR	96.0	95.0	96.0	96.0	383.0	127.666667
12	12	1220132	LATHESSH	1999-03-05	MALE	THANDALAM	NaN	68.0	70.0	70.0	208.0	69.333333
13	13	1220133	MANI	2000-10-02	MALE	KANCHIPURAM	71.0	76.0	NaN	71.0	NaN	0.000000
14	14	1220134	NANI	20001109	MALE	POONAMALEE	79.0	77.0	80.0	79.0	315.0	105.000000
15	15	1220135	NaN	19990125	NaN	NaN	NaN	NaN	NaN	NaN	0.0	0.000000
16	16	1220136	PRATHAP	20000921	MALE	KANCHIPURAM	86.0	84.0	90.0	86.0	346.0	115.333333
17	17	1220137	RAGHU	20001109	MALE	POONAMALEE	67.0	64.0	70.0	NaN	201.0	67.000000
18	18	1220138	RATHI	20001121	FEMALE	KANCHIPURAM	81.0	86.0	90.0	81.0	338.0	112.666667
19	19	1220139	SARVESH	19990305	MALE	THANDALAM	84.0	87.0	NaN	84.0	NaN	0.000000
20	20	1220140	SANTHOSH	20001002	MALE	KANCHIPURAM	76.0	69.0	80.0	76.0	301.0	100.333333

```
import seaborn as sns
sns.heatmap(df.isnull(),yticklabels=False,annot=True)
```

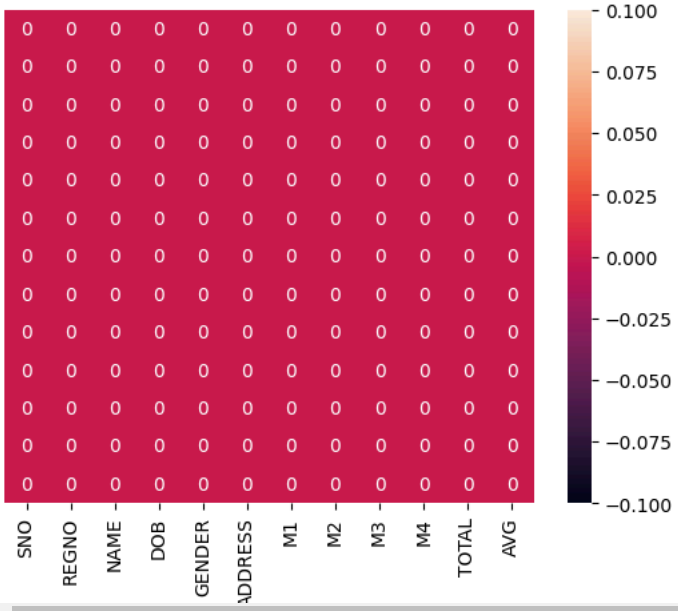
```
<Axes: >
```




```
df.dropna(inplace=True)

sns.heatmap(df.isnull(),yticklabels=False,annot=True)
```

```
<Axes: >
```




```
print(df.loc[0:3])
```

```
   SNO    REGNO  NAME         DOB GENDER      ADDRESS    M1    M2    M3    M4  \
1    2  1220122  BABU  1999-01-25   MALE  KANCHIPURAM  56.0  61.0  80.0  56.0
3    4  1220124  DEVA  2000-11-09   MALE   POONAMALEE  74.0  79.0  80.0  74.0

   TOTAL         AVG
1  253.0   84.333333
3  307.0  102.333333
```