```
import pandas as pd
df=pd.read_csv("/content/SAMPLEIDS.csv")
print(df)
₹
         SNO
               REGNO
                          NAME
                                       DOB GENDER
                                                        ADDRESS
                                                                   Μ1
                                                                         M2
                                                                               М3
     0
          1 1220121
                          ARUN 2000-02-10
                                              MALE
                                                      THANDALAM 82.0
                                                                      81.0
                                                                             90.0
             1220122
                          BABU
                                1999-01-25
                                              MALE
                                                    KANCHIPURAM
          2
                                                                 56.0
                                                                       61.0
                                                                             80.0
             1220123
                        CHARAN
                                2000.09.21
                                              MALE
                                                      THANDALAM
                                                                 NaN
          3
                                                                       59.0
                                                                             60.0
     3
             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
                       FARHANA
                                1999-03-05
                                            FEMALE
                                                      THANDALAM
     5
          6 1220126
                                                                 91.0
                                                                       88.0
                                                                             90.0
     6
             1220127
                          GANT
                                2000-10-02
                                              MALE
                                                    KANCHIPURAM 49.0
                                                                       51.0
                                                                             70.0
          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 1220131
                          KANI
                                2000-11-21
                                            FEMALE
                                                        CHITHUR
                                                                       95.0
     11
                                                                 96.0
                      LATHESSH
     12
         12
             1220132
                                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
                                  19990125
         15
             1220135
                           NaN
                                               NaN
                                                            NaN
                                                                 NaN
                                                                             NaN
                                                                       NaN
             1220136
                       PRATHAP
                                  20000921
                                              MALE
                                                    KANCHIPURAM
                                                                 86.0
                                                                       84.0
                                                                             90.0
     16
         16
                                  20001109
                                              MALE
     17
         17
             1220137
                         RAGHU
                                                     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
         56.0
              253.0
                      84.333333
     1
     2
         70.0
                NaN
                       0.000000
              307.0
     3
                     102.333333
         74.0
     4
              375.0
                     125.000000
        92.0
     5
              360.0
                     120.000000
        91.0
     6
        49.0
              219.0
                      73.000000
         49.0
              219.0
                      73.000000
                     125.333333
         95.0 376.0
         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
                NaN
                       0.000000
     13
         71.0
                     105.000000
     14
        79.0
              315.0
                       0.000000
     15
         NaN
                0.0
     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()
₹
               count
       GENDER
      MALE
                  14
      FEMALE
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
                                            GENDER
                                                        ADDRESS
                                                                   Μ1
                                                                               М3
₹.
                          BABU 1999-01-25
          2 1220122
                                              MALE
                                                    KANCHIPURAM 56.0
                                                                      61.0
                                                                             80.0
          4 1220124
                          DEVA 2000-11-09
                                              MALE
                                                     POONAMALEE 74.0
                                                                       79.0
                                                                             80.0
                         ESTER 2000-11-21 FEMALE
                                                        CHITHUR 92.0
                                                                      95.0
          5 1220125
                                                                             96.0
```

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

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

→ (21, 12)

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

76.0 301.0 100.333333

_													
<u> </u>		SNO	REGNO	NAME	DOB	GENDER	ADDRESS	M1	M2	М3	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

 $\label{total} tot=df.dropna(subset=['M1','M2','M3','M4'],how='any')\\ tot$

$\overline{}$													
_		SNO	REGNO	NAME	DOB	GENDER	ADDRESS	M1	M2	М3	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	МЗ	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

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

									iou= iiiii)	LTTIIG (IIIC CI	J-diffittina(iiic	
AVG	TOTAL	M4	М3	M2	M1	ADDRESS	GENDER	DOB	NAME	REGNO	SNO	
NaN	NaN	NaN	90.0	81.0	82.0	THANDALAM	MALE	2000-02-10	ARUN	1220121	1	0
84.333333	253.0	56.0	80.0	61.0	56.0	KANCHIPURAM	MALE	1999-01-25	BABU	1220122	2	1
0.000000	253.0	70.0	60.0	59.0	56.0	THANDALAM	MALE	2000.09.21	CHARAN	1220123	3	2
102.333333	307.0	74.0	80.0	79.0	74.0	POONAMALEE	MALE	2000-11-09	DEVA	1220124	4	3
125.000000	375.0	92.0	96.0	95.0	92.0	CHITHUR	FEMALE	2000-11-21	ESTER	1220125	5	4
120.000000	360.0	91.0	90.0	88.0	91.0	THANDALAM	FEMALE	1999-03-05	FARHANA	1220126	6	5
73.000000	219.0	49.0	70.0	51.0	49.0	KANCHIPURAM	MALE	2000-10-02	GANI	1220127	7	6
73.000000	219.0	49.0	70.0	51.0	49.0	KANCHIPURAM	MALE	2000-10-02	GANI	1220127	7	7
125.333333	376.0	95.0	90.0	96.0	95.0	POONAMALEE	FEMALE	1999-01-25	HEMA	1220128	8	8
0.000000	376.0	64.0	90.0	96.0	64.0	KANCHIPURAM	FEMALE	2000.09.21	INDRA	1220129	9	9
54.333333	163.0	34.0	50.0	45.0	34.0	THANDALAM	MALE	2000-11-09	JAHITH	1220130	10	10
127.666667	383.0	96.0	96.0	95.0	96.0	CHITHUR	FEMALE	2000-11-21	KANI	1220131	11	11
69.333333	208.0	70.0	70.0	68.0	96.0	THANDALAM	MALE	1999-03-05	LATHESSH	1220132	12	12
0.000000	208.0	71.0	70.0	76.0	71.0	KANCHIPURAM	MALE	2000-10-02	MANI	1220133	13	13
105.000000	315.0	79.0	80.0	77.0	79.0	POONAMALEE	MALE	20001109	NANI	1220134	14	14
0.000000	0.0	79.0	80.0	77.0	79.0	POONAMALEE	MALE	19990125	NANI	1220135	15	15
115.333333	346.0	86.0	90.0	84.0	86.0	KANCHIPURAM	MALE	20000921	PRATHAP	1220136	16	16
67.000000	201.0	86.0	70.0	64.0	67.0	POONAMALEE	MALE	20001109	RAGHU	1220137	17	17
112.666667	338.0	81.0	90.0	86.0	81.0	KANCHIPURAM	FEMALE	20001121	RATHI	1220138	18	18
0.000000	338.0	84.0	90.0	87.0	84.0	THANDALAM	MALE	19990305	SARVESH	1220139	19	19
100.333333	301.0	76.0	80.0	69.0	76.0	KANCHIPURAM	MALE	20001002	SANTHOSH	1220140	20	20
												4

df.isna().sum()



df['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

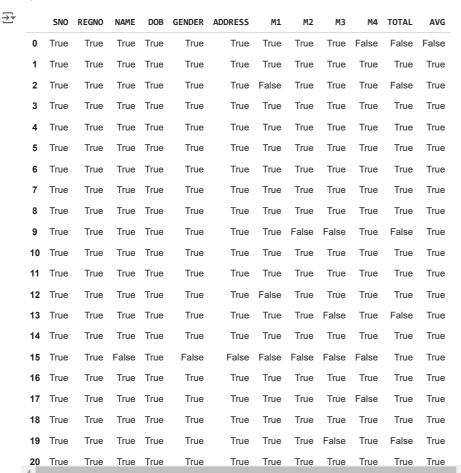
17 67.018 81.0

19 84.020 76.0

df.isnull()

		SNO	REGNO	NAME	DOB	GENDER	ADDRESS	M1	M2	М3	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()



x1=df.dropna(axis=0)
x1

₹		SNO	REGNO	NAME	DOB	GENDER	ADDRESS	M1	M2	М3	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	

20001121 FEMALE KANCHIPURAM 81.0 86.0 90.0 81.0

MALE KANCHIPURAM 76.0 69.0 80.0 76.0 301.0 100.333333

338.0 112.666667

df.duplicated()

20

1220138

20 1220140 SANTHOSH

RATHI

20001002

₹

- 0 False
- 1 False
- 2 False
- 3 False
- 4 False
- 5 False
- 6 False
- 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

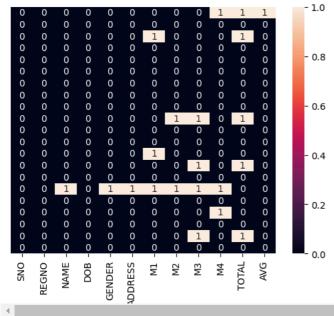
m=df.drop_duplicates(inplace=False)

_													
→		SNO	REGNO	NAME	DOB	GENDER	ADDRESS	M1	M2	М3	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

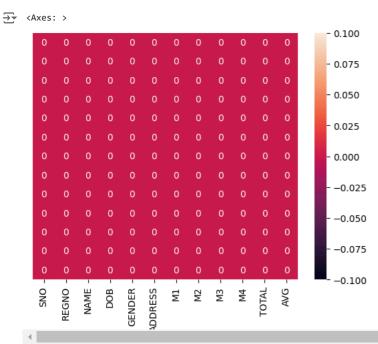
sns.heatmap(df.isnull(),yticklabels=False,annot=True)





df.dropna(inplace=True)

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



print(df.loc[0:3])

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

TOTAL AVG 1 253.0 84.333333 2 307 0 102 333333