In [33]:
```
import pandas as pd
import matplotlib.pyplot as plt
data=pd.read_csv('Documents\student_record.csv')
```

In [34]:
```
data.head
```

Out[34]:
```
<bound method NDFrame.head of          Name   Rno  Year  Course Dept
0  Vijay Kumar  430  1st   Bsc CS   CS
1    Sai Saran  340   2nd  MSC It   IT
2         Arun   123   3rd     Bca   Cs
3       Vikram  210  1st      Mca   CS>
```

In [35]:
```
data.head()
```

Out[35]:

	Name	Rno	Year	Course	Dept
0	Vijay Kumar	430	1st	Bsc CS	CS
1	Sai Saran	340	2nd	MSC It	IT
2	Arun	123	3rd	Bca	Cs
3	Vikram	210	1st	Mca	CS

In [36]:
```
data.tail(-2)
```

Out[36]:

	Name	Rno	Year	Course	Dept
2	Arun	123	3rd	Bca	Cs
3	Vikram	210	1st	Mca	CS

In [37]:
```
data.size
```

Out[37]:
```
20
```

In [38]:
```
data.shape
```

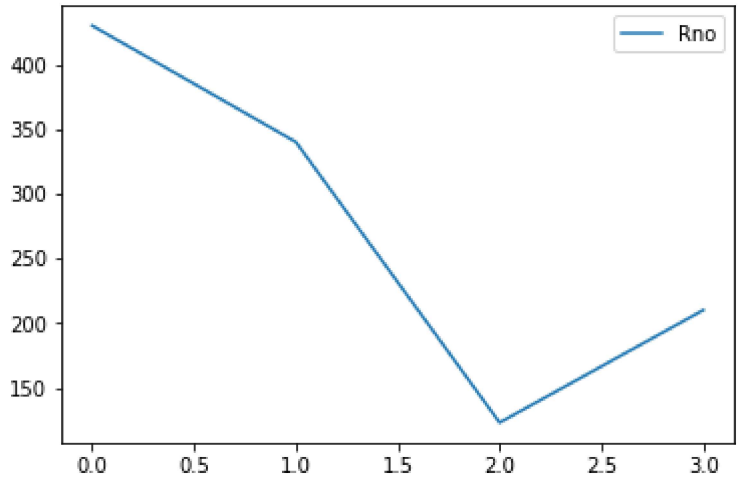
Out[38]:
```
(4, 5)
```

In [39]:
```
data.ndim
```

Out[39]:
```
2
```

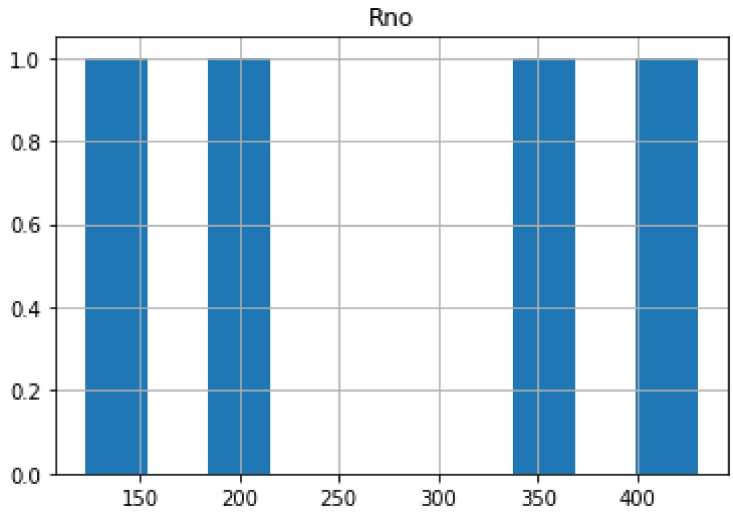
In [48]:
```
data.plot()
```

Out[48]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x26dd010f128>
```



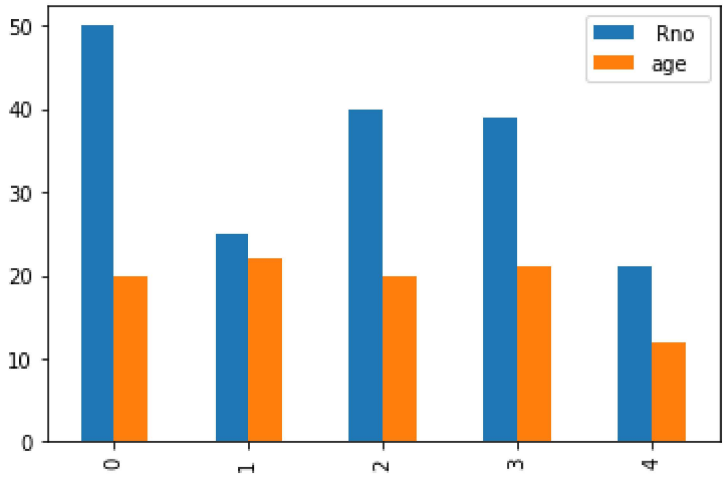
In [49]:
```
data.hist()
```

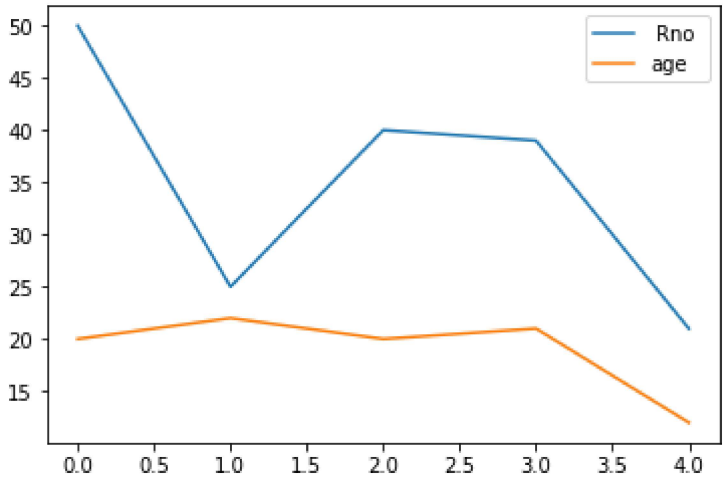
Out[49]:
```
array([[<matplotlib.axes._subplots.AxesSubplot object at 0x0000026DD00FA5C0>]],
      dtype=object)
```



In [97]:
```
data.plot(kind='bar')
data.plot(kind='line')
```

Out[97]: <matplotlib.axes._subplots.AxesSubplot at 0x26dd0106828>





In [84]:
```
import pandas as pd
import matplotlib.pyplot as plt
dr=pd.read_csv(r'Documents\records.txt',sep='\t')
```

In [85]:
```
dr.head
```

Out[85]:
```
<bound method NDFrame.head of    Name    Rno          dob         City  age
0  Rajan     50  12-02-2002  Pudukkottai   20
1   Velu     25  11-10-2000      Thrichy   22
2  Vetri     40  20-12-2002        Salem   20
3   Anbu     39  19-04-2001      Madurai   21
4  Royle     21  12-12-2012      Chennai   12>
```

In [86]:
```
dr.head()
```

Out[86]:

	Name	Rno	dob	City	age
0	Rajan	50	12-02-2002	Pudukkottai	20
1	Velu	25	11-10-2000	Thrichy	22
2	Vetri	40	20-12-2002	Salem	20
3	Anbu	39	19-04-2001	Madurai	21
4	Royle	21	12-12-2012	Chennai	12

In [87]:
```
dr.tail(-2)
```

Out[87]:

	Name	Rno	dob	City	age
2	Vetri	40	20-12-2002	Salem	20
3	Anbu	39	19-04-2001	Madurai	21
4	Royle	21	12-12-2012	Chennai	12

In [88]:
```
dr.size
```

Out[88]:
```
25
```

In [89]:
```
dr.shape
```

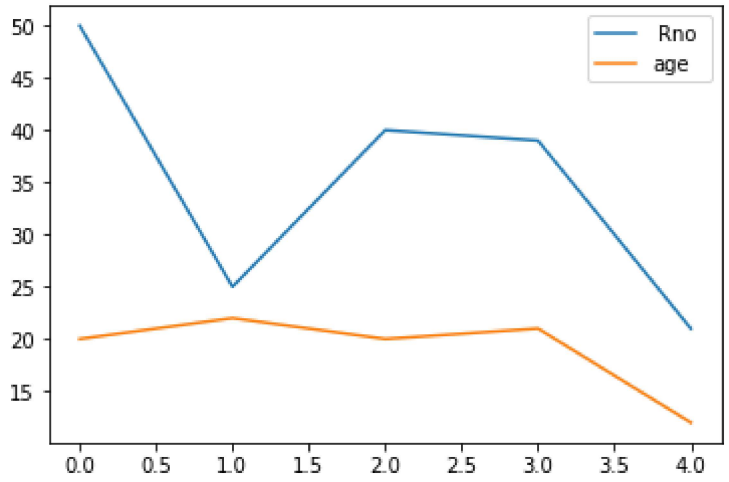
Out[89]:
```
(5, 5)
```

In [90]:
```
dr.ndim
```

Out[90]:
```
2
```

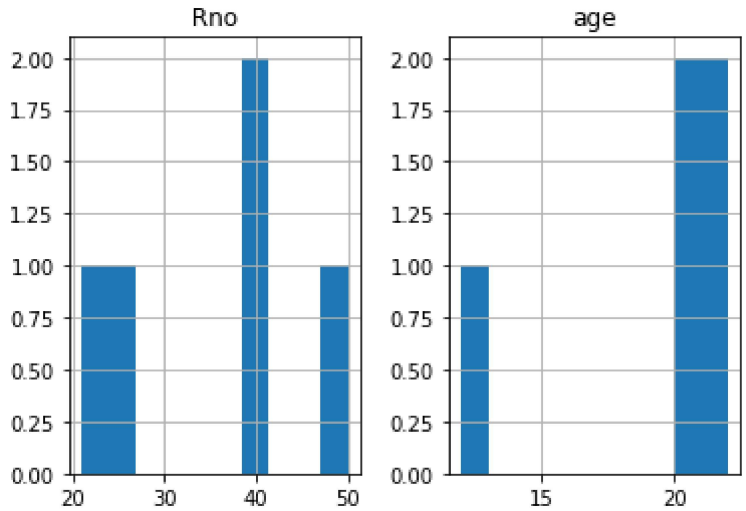
In [91]:
```
dr.plot()
```

Out[91]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x26dceab83c8>
```



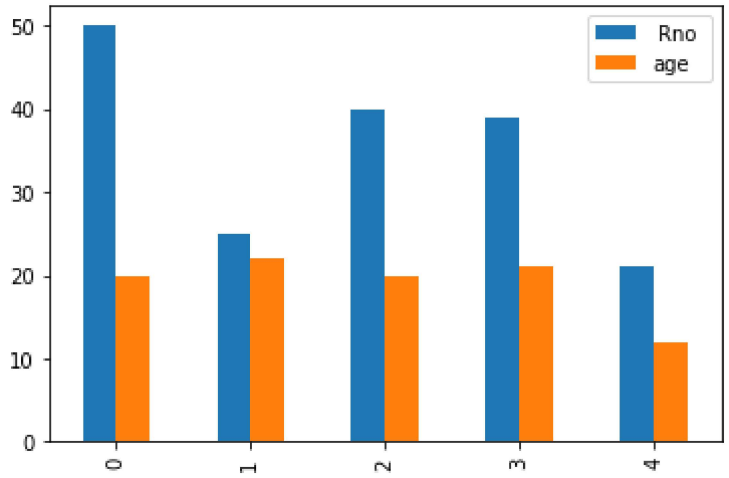
In [92]:
```
dr.hist()
```

Out[92]:
```
array([[<matplotlib.axes._subplots.AxesSubplot object at 0x0000026DD03BC518>,
        <matplotlib.axes._subplots.AxesSubplot object at 0x0000026DD048EC88>]],
      dtype=object)
```



In [93]:
```
dr.plot(kind='bar')
```

Out[93]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x26dd0471a58>
```



In [98]:
```
dr.plot(kind="line")
```

Out[98]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x26dd0632f98>
```