```
Write Python program to write the data
given below to a CSV file.(university question)
SN Name
                                 Country
                                                   Contribution
                                                                             Year
1
      Linus Torvalds
                               Finland
                                               Linux Kernel
                                                                          1991
2
      Tim Berners-Lee
                                            World Wide Web
                             England
                                                                  1990
3
      Guido van Rossum
                           Netherlands
                                                                      1991
                                         Python
```

Write Python program to write the data given below to a CSV file.(university question) SN Name Country Contribution Year 1 Linus Torvalds Finland Linux Kernel 1991 2 Tim Berners-Lee England World Wide Web 1990 3 Guido van Rossum Netherlands Python 1991

In []:

```
data frame with defaut index=
                                 SN
                                                 Name
                                                                       Cont
                                                           Country
ribution Year
        Linus Torvalds
                             Finland
                                       Linux Kernel
   1
                                                      1991
                             England World Wide Web
       Tim Berners-Lee
                                                      1990
    3 Guido van Rossum Netherlands
                                              Python
                                                      1991
data frame with SN as index=
                                             Name
                                                       Country
                                                                  Contribu
tion Year
SN
1
      Linus Torvalds
                          Finland
                                    Linux Kernel
                                                   1991
2
     Tim Berners-Lee
                          England
                                   World Wide Web 1990
                                           Python
3
   Guido van Rossum Netherlands
                                                   1991
                                     Contribution Year
                Name
                          Country
SN
1
     Linus Torvalds
                          Finland
                                    Linux Kernel
                                                   1991
2
     Tim Berners-Lee
                          England
                                   World Wide Web
                                                   1990
3
    Guido van Rossum Netherlands
                                           Python
                                                   1991
```

Given a file "auto.csv" of automobile data with the fields index, company, body-style, wheel-base, length, engine-type, num-of-cylinders, horsepower, average-mileage, and price, write Python codes using Pandas to read the csv file and do the following 1) From the given dataset print the first and last five rows

```
In [ ]:
```

```
import pandas as pd
df = pd.read_csv("/content/Automobile_data.csv")
print(df.head(5))
print("last rows")
print(df.tail(5))
   index
              company
                         body-style wheel-base
                                                  length engine-type
0
       0
          alfa-romero
                        convertible
                                            88.6
                                                   168.8
                                                                 dohc
1
          alfa-romero
                       convertible
                                            88.6
                                                   168.8
                                                                 dohc
2
       2
         alfa-romero
                          hatchback
                                            94.5
                                                   171.2
                                                                 ohcv
3
       3
                 audi
                              sedan
                                            99.8
                                                   176.6
                                                                  ohc
4
       4
                 audi
                              sedan
                                                   176.6
                                                                  ohc
                                            99.4
  num-of-cylinders
                    horsepower
                                 average-mileage
                                                     price
0
              four
                            111
                                               21
                                                  13495.0
1
              four
                            111
                                               21 16500.0
2
                            154
               six
                                               19 16500.0
3
              four
                            102
                                               24 13950.0
4
              five
                            115
                                               18 17450.0
last rows
    index
              company body-style
                                   wheel-base length engine-type
56
       81
           volkswagen
                            sedan
                                          97.3
                                                 171.7
                                                                ohc
57
       82
          volkswagen
                            sedan
                                          97.3
                                                 171.7
                                                                ohc
58
       86 volkswagen
                            sedan
                                          97.3
                                                 171.7
                                                                ohc
                            sedan
                                                                ohc
59
       87
                volvo
                                         104.3
                                                 188.8
       88
                volvo
                            wagon
                                         104.3
                                                 188.8
                                                                ohc
60
   num-of-cylinders
                     horsepower
                                  average-mileage
                                                      price
56
               four
                              85
                                                27
                                                     7975.0
               four
                              52
57
                                                37
                                                     7995.0
58
               four
                             100
                                                26
                                                     9995.0
59
               four
                             114
                                                23
                                                    12940.0
60
               four
                             114
                                                23
                                                    13415.0
```

Clean the dataset and update the CSV file Replace all column values which contain ?, n.a, or NaN.

In []:

```
import pandas as pd
df = pd.read_csv("/content/Automobile_data.csv",na_values={
   'price':["?","n.a",'NaN'," "],
   'stroke':["?","n.a",'NaN'," "],
   'horsepower':["?","n.a",'NaN'],
   'peak-rpm':["?","n.a",'NaN',' '],
   'average-mileage':["?","n.a",'NaN']})
DF2=df.fillna(0)
DF2.to_csv("/content/Automobil4.csv")
```

```
import pandas as pd
df = pd.read_csv("/content/Automobile_data.csv")
DF2=df.fillna(0)
DF2.to_csv("/content/Automobil5.csv")
```

```
In [ ]:
```

```
#Find the most expensive car company name
import pandas as pd

df = pd.read_csv("/content/Automobile_data.csv")
company = df [['company','price']][df.price==df['price'].max()]
print(company)
```

company price 35 mercedes-benz 45400.0

In []:

```
#Find the most expensive car company name
import pandas as pd

df = pd.read_csv("Automobile_data.csv")

DF1=df.sort_values(by=['price'],
    ascending=False)[['company','price']]

DF1.head(1)
```

Out[]:

company price

35 mercedes-benz 45400.0

In []:

```
#maximum price of each companies
import pandas as pd

df = pd.read_csv("/content/Automobile_data.csv")

df1=df.groupby('company')['body-style','horsepower','price'].max()
print(df1)
```

	body-style	horsepower	price
company			
alfa-romero	hatchback	154	16500.0
audi	wagon	115	18920.0
bmw	sedan	182	41315.0
chevrolet	sedan	70	6575.0
dodge	hatchback	68	6377.0
honda	wagon	101	12945.0
isuzu	sedan	78	6785.0
jaguar	sedan	262	36000.0
mazda	sedan	101	18344.0
mercedes-benz	wagon	184	45400.0
mitsubishi	sedan	88	8189.0
nissan	wagon	152	13499.0
porsche	hatchback	288	37028.0
toyota	wagon	156	15750.0
volkswagen	sedan	100	9995.0
volvo	wagon	114	13415.0

/usr/local/lib/python3.7/dist-packages/ipykernel_launcher.py:4: FutureWarn ing: Indexing with multiple keys (implicitly converted to a tuple of keys) will be deprecated, use a list instead.

after removing the cwd from sys.path.

```
# Print All Toyota Cars details
import pandas as pd
df = pd.read_csv("/content/Automobile_data.csv")
company =print(df[df['company']=='toyota'])
print(company)
    index company body-style wheel-base length engine-type num-of-cylind
ers
       66 toyota hatchback
                                    95.7
                                                                          f
48
                                            158.7
                                                          ohc
our
                                                                          f
49
       67 toyota hatchback
                                    95.7
                                            158.7
                                                          ohc
our
50
       68 toyota hatchback
                                    95.7
                                            158.7
                                                          ohc
                                                                          f
our
                                    95.7
                                                                          f
51
       69 toyota
                       wagon
                                            169.7
                                                          ohc
our
52
       70 toyota
                                    95.7
                                            169.7
                                                          ohc
                                                                          f
                       wagon
our
                                    95.7
                                            169.7
                                                          ohc
                                                                          f
53
       71
          toyota
                       wagon
our
54
       79 toyota
                       wagon
                                   104.5
                                            187.8
                                                         dohc
six
                average-mileage
                                   price
   horsepower
                                  5348.0
48
            62
                             35
49
            62
                             31
                                  6338.0
50
            62
                             31
                                  6488.0
51
            62
                             31
                                  6918.0
            62
52
                             27
                                  7898.0
53
            62
                             27
                                  8778.0
54
           156
                             19 15750.0
None
```

```
import pandas as pd
df = pd.read_csv("Automobile_data.csv")
car_Manufacturers = df.groupby('company')
toyotaDf = car_Manufacturers.get_group('toyota')
print(toyotaDf)
    index company body-style wheel-base length engine-type num-of-cylind
ers
       66 toyota hatchback
                                    95.7
                                                                          f
48
                                            158.7
                                                          ohc
our
                                                                          f
49
       67 toyota hatchback
                                    95.7
                                            158.7
                                                          ohc
our
50
       68 toyota hatchback
                                    95.7
                                            158.7
                                                          ohc
                                                                          f
our
                                    95.7
                                                                          f
51
       69 toyota
                       wagon
                                            169.7
                                                          ohc
our
52
       70 toyota
                                    95.7
                                            169.7
                                                          ohc
                                                                          f
                       wagon
our
                                    95.7
                                            169.7
                                                          ohc
                                                                          f
53
       71
          toyota
                       wagon
our
54
       79 toyota
                       wagon
                                   104.5
                                            187.8
                                                         dohc
six
                average-mileage
                                   price
   horsepower
                                  5348.0
48
            62
                             35
49
            62
                             31
                                  6338.0
50
            62
                             31
                                  6488.0
51
            62
                             31
                                  6918.0
            62
52
                             27
                                  7898.0
53
            62
                             27
                                  8778.0
54
           156
                             19 15750.0
```

```
#Print total cars of all companies
import pandas as pd

df = pd.read_csv("Automobile_data.csv")
df1=df.groupby('company')
for company,company_df in df1:
    print(company,company_df)
```

```
alfa-romero
                                    body-style wheel-base length engine-
               index
                          company
type \
0
      0 alfa-romero convertible
                                          88.6
                                                 168.8
                                                              dohc
1
         alfa-romero convertible
                                          88.6
                                                 168.8
                                                              dohc
2
       2 alfa-romero
                         hatchback
                                          94.5
                                                 171.2
                                                              ohcv
  num-of-cylinders horsepower average-mileage
                                                   price
0
              four
                           111
                                             21 13495.0
1
              four
                           111
                                             21 16500.0
2
                           154
                                             19 16500.0
               six
audi
        index company body-style wheel-base length engine-type num-of-cy
linders \
3
       3
            audi
                      sedan
                                   99.8
                                          176.6
                                                        ohc
                                                                         fo
ur
4
       4
            audi
                      sedan
                                   99.4
                                          176.6
                                                        ohc
                                                                         fi
ve
5
       5
            audi
                      sedan
                                   99.8
                                          177.3
                                                        ohc
                                                                         fi
ve
       6
            audi
                      wagon
                                  105.8
                                          192.7
                                                        ohc
                                                                         fi
6
ve
   horsepower average-mileage
                                  price
                            24 13950.0
3
          102
4
          115
                            18 17450.0
                            19 15250.0
5
          110
6
          110
                            19 18920.0
        index company body-style wheel-base length engine-type num-of-cy
bmw
linders
7
        9
                       sedan
                                   101.2
                                                                          f
              bmw
                                           176.8
                                                         ohc
our
                                                                          f
8
       10
              bmw
                       sedan
                                   101.2
                                           176.8
                                                         ohc
our
       11
9
              bmw
                       sedan
                                   101.2
                                           176.8
                                                         ohc
six
10
       13
              bmw
                       sedan
                                   103.5
                                           189.0
                                                         ohc
six
11
       14
              bmw
                       sedan
                                   103.5
                                           193.8
                                                         ohc
six
                                           197.0
12
      15
              bmw
                       sedan
                                   110.0
                                                         ohc
six
    horsepower average-mileage
                                   price
7
           101
                             23 16430.0
8
                             23 16925.0
           101
           121
9
                             21 20970.0
10
           182
                             16 30760.0
11
           182
                             16 41315.0
           182
                                 36880.0
12
                             15
chevrolet
             index
                       company body-style wheel-base length engine-type
\
13
       16 chevrolet hatchback
                                       88.4
                                              141.1
                                                              1
           chevrolet hatchback
                                       94.5
14
       17
                                              155.9
                                                            ohc
15
       18 chevrolet
                          sedan
                                       94.5
                                              158.8
                                                            ohc
   num-of-cylinders horsepower average-mileage
                                                  price
13
              three
                             48
                                              47 5151.0
               four
                             70
14
                                              38 6295.0
15
               four
                             70
                                              38 6575.0
dodge
          index company body-style wheel-base length engine-type num-of-
cylinders \
16
       19
            dodge hatchback
                                    93.7
                                           157.3
                                                         ohc
                                                                          f
```

our 17 our	20	dodge	hatchback	93.7	157.3	ohc	f
h	orsep	ower av	erage-mileage	price			
16		68	31	6377.0			
17		68	31	6229.0			
honda	1	index co	mpany body-sty	le wheel	-base le	ngth engine-type	num-of-
cylin		\					
18	27	honda	wagon	96.5	157.1	ohc	f
our			•				
19	28	honda	sedan	96.5	175.4	ohc	f
our							
20	29	honda	sedan	96.5	169.1	ohc	f
our							
h 18	orsep	ower av 76	erage-mileage 30	price 7295.0			
19		101	24	12945.0			
20		100	25	10345.0			
isuzu	ı				-hase le	ngth engine-type	num-of-
cylin		\	pany body bey	, _C WIICCI	3030 10	ocii ciio-iic cype	01
21	30	isuzu	sedan	94.3	170.7	ohc	f
our						-	
22	31	isuzu	sedan	94.5	155.9	ohc	f
our							
23	32	isuzu	sedan	94.5	155.9	ohc	f
our							
	orsep		erage-mileage	-			
21		78	24	6785.0			
22		70	38	NaN			
23		70	38	NaN			
jagua			ompany body-st	yle whee	l-base l	ength engine-typ	e num-of
_	nders.			445 -	400 -		
24	33	jaguar	sedan	113.0	199.6	dohc	
six	2.4	<u>.</u> _		442.0	100 5		
25	34	jaguar	sedan	113.0	199.6	dohc	
six	3-	<u>.</u> _		400.0	101 -		
26	35	jaguar	sedan	102.0	191.7	ohcv	twe
lve							
L	oncor	OHON 2::	onago milaaga	nnico			
	ιοι·seρ		erage-mileage	•			
24 25		176 176	15				
25 26		176 262	15	35550.0			
26 mazda		262	13	36000.0	haca la	nath onaine ture	num-of
mazua cylin		\	iiipaily body-ST)	TE MILEGT	-nase te	ngth engine-type	nulli-01-
27	36		hatchback	93.1	159.1	ohc	f
our	50	mazua	Hacciback	JJ.1	1JJ.1	Offic	•
28	37	mazda	hatchback	93.1	159.1	ohc	f
our	٠,				,	0.1.0	•
29	38	mazda	hatchback	93.1	159.1	ohc	f
our	- •				⇒ = • =		-
30	39	mazda	hatchback	95.3	169.0	rotor	
two				. = • •	-	- -	
31	43	mazda	sedan	104.9	175.0	ohc	f
our							
	orsep		erage-mileage	-			
27		68	30	5195.0			

```
28
                                   6095.0
            68
                             31
29
            68
                             31
                                   6795.0
                             17
                                 11845.0
30
           101
                             31 18344.0
31
            72
                                company body-style wheel-base length engi
mercedes-benz
                  index
ne-type \
32
       44 mercedes-benz
                              sedan
                                           110.0
                                                   190.9
                                                                  ohc
33
       45
          mercedes-benz
                              wagon
                                           110.0
                                                   190.9
                                                                  ohc
       46
          mercedes-benz
                              sedan
                                           120.9
                                                   208.1
                                                                 ohcv
34
       47 mercedes-benz
                            hardtop
                                           112.0
                                                   199.2
                                                                 ohcv
35
   num-of-cylinders horsepower average-mileage
                                                     price
                                                  25552.0
32
               five
                            123
                                               22
33
               five
                            123
                                               22
                                                   28248.0
34
              eight
                            184
                                               14
                                                  40960.0
                            184
                                               14 45400.0
35
              eight
mitsubishi
               index
                         company body-style wheel-base length engine-typ
e \
                                                157.3
       49 mitsubishi hatchback
36
                                         93.7
                                                               ohc
       50 mitsubishi hatchback
                                         93.7
                                                157.3
                                                               ohc
       51 mitsubishi
                                         96.3
                                                172.4
                           sedan
                                                               ohc
38
39
       52 mitsubishi
                           sedan
                                         96.3
                                                172.4
                                                               ohc
                                 average-mileage
   num-of-cylinders horsepower
                                                    price
36
               four
                                               37 5389.0
                             68
37
               four
                             68
                                               31
                                                  6189.0
38
               four
                             88
                                               25
                                                   6989.0
39
               four
                             88
                                               25
                                                   8189.0
nissan
           index company body-style wheel-base length engine-type num-of
-cylinders
            \
                                                                           f
40
       53
          nissan
                       sedan
                                     94.5
                                            165.3
                                                          ohc
our
                                                                           f
41
       54
           nissan
                       sedan
                                     94.5
                                            165.3
                                                          ohc
our
                       sedan
                                     94.5
                                            165.3
                                                                           f
42
       55
          nissan
                                                          ohc
our
43
       56
          nissan
                       wagon
                                     94.5
                                            170.2
                                                          ohc
                                                                           f
our
44
       57
                       sedan
                                    100.4
                                            184.6
                                                         ohcv
           nissan
six
                average-mileage
    horsepower
                                   price
40
                                   7099.0
            55
                             45
41
            69
                             31
                                   6649.0
42
            69
                                   6849.0
                             31
                             31
                                   7349.0
43
            69
44
           152
                             19
                                  13499.0
                             body-style wheel-base length engine-type \
porsche
            index company
45
       61 porsche
                        hardtop
                                        89.5
                                               168.9
                                                            ohcf
46
       62 porsche convertible
                                        89.5
                                               168.9
                                                            ohcf
                                        98.4
47
       63
           porsche
                      hatchback
                                               175.7
                                                           dohcv
   num-of-cylinders horsepower average-mileage
                                                     price
45
                six
                            207
                                               17
                                                   34028.0
46
                six
                            207
                                               17
                                                   37028.0
47
              eight
                            288
                                               17
                                                       NaN
toyota
           index company body-style wheel-base length engine-type num-of
-cylinders
                                     95.7
                                                                           f
48
       66 toyota hatchback
                                            158.7
                                                          ohc
our
                                                                           f
49
       67 toyota hatchback
                                     95.7
                                            158.7
                                                          ohc
```

our							
50	68	toyota h	atchback	95.7	158.7	oh	c f
our		-					
51	69	toyota	wagon	95.7	169.7	oh	c f
our							
52	70	toyota	wagon	95.7	169.7	oh	c f
our							
53	71	toyota	wagon	95.7	169.7	oh	c f
our							
54	79	toyota	wagon	104.5	187.8	doh	С
six							
h	oncon	owon avon	age-mileage	price			
48	orsep	62	age-mileage 35	5348.0			
49		62	31	6338.0			
50		62	31	6488.0			
51		62	31	6918.0			
52		62	27	7898.0			
53		62	27	8778.0			
54		156	19	15750.0			
volksı	wagen	index	company	body-styl	e whee	el-base le	ngth engine-typ
e \							.
e \ 55	80	volkswage	n sedan			71.7	ohc
	81	volkswage	n sedan	97 97	.3 17	71.7 71.7	ohc ohc
55 56 57	81 82	volkswage volkswage	n sedan n sedan	97 97 97	1.3 17 1.3 17 1.3 17	71.7 71.7	ohc ohc ohc
55 56	81	volkswage	n sedan n sedan	97 97 97	1.3 17 1.3 17 1.3 17	71.7	ohc ohc
55 56 57 58	81 82 86	volkswage volkswage volkswage	n sedan n sedan n sedan	97 97 97 97	.3 17 .3 17 .3 17	71.7 71.7 71.7	ohc ohc ohc
55 56 57 58	81 82 86	volkswage volkswage volkswage cylinders	n sedan n sedan n sedan horsepower	97 97 97	.3 17 .3 17 .3 17 .3 17	71.7 71.7 71.7 price	ohc ohc ohc
55 56 57 58 nur	81 82 86	volkswage volkswage volkswage cylinders four	n sedan n sedan n sedan horsepower 52	97 97 97 97	1.3 17 1.3 17 1.3 17 1.3 17 11eage 37	71.7 71.7 71.7 price 7775.0	ohc ohc ohc
55 56 57 58 nur 55 56	81 82 86	volkswage volkswage volkswage cylinders four four	n sedan n sedan n sedan horsepower 52 85	97 97 97 97	1.3 17 1.3 17 1.3 17 1.3 17 11eage 37 27	71.7 71.7 71.7 price 7775.0 7975.0	ohc ohc ohc
55 56 57 58 nur 55 56 57	81 82 86	volkswage volkswage volkswage cylinders four four	n sedan n sedan n sedan horsepower 52 85 52	97 97 97 97	1.3 17 1.3 17 1.3 17 1.3 17 11eage 37 27 37	71.7 71.7 71.7 price 7775.0 7975.0 7995.0	ohc ohc ohc
55 56 57 58 nur 55 56 57	81 82 86 m-of-	volkswage volkswage volkswage cylinders four four four four	n sedan n sedan n sedan horsepower 52 85 52 100	97 97 97 97 average-m	1.3 17 1.3 17 1.3 17 1.3 17 1.3 17 27 27 27 26	71.7 71.7 71.7 price 7775.0 7975.0 7995.0	ohc ohc ohc ohc
55 56 57 58 nur 55 56 57 58 volvo	81 82 86 m-of-	volkswage volkswage volkswage cylinders four four four four index comp	n sedan n sedan n sedan horsepower 52 85 52 100	97 97 97 97 average-m	1.3 17 1.3 17 1.3 17 1.3 17 1.3 17 27 27 27 26	71.7 71.7 71.7 price 7775.0 7975.0 7995.0	ohc ohc ohc
55 56 57 58 nur 55 56 57 58 volvo	81 82 86 m-of-	volkswage volkswage volkswage cylinders four four four index comp	n sedan n sedan n sedan horsepower 52 85 52 100 any body-sty	97 97 97 average-m le wheel-	1.3 17 1.3 17 1.3 17 1.3 17 1.3 17 27 27 27 26 base 1	71.7 71.7 71.7 price 7775.0 7975.0 7995.0 9995.0	ohc ohc ohc ohc
55 56 57 58 nur 55 56 57 58 volvo	81 82 86 m-of-	volkswage volkswage volkswage cylinders four four four four index comp	n sedan n sedan n sedan horsepower 52 85 52 100	97 97 97 97 average-m	1.3 17 1.3 17 1.3 17 1.3 17 1.3 17 27 27 27 26	71.7 71.7 71.7 price 7775.0 7975.0 7995.0	ohc ohc ohc ohc
55 56 57 58 nur 55 56 57 58 volvo cyline	81 82 86 m-of-	volkswage volkswage volkswage cylinders four four four index comp volvo	n sedan n sedan n sedan horsepower 52 85 52 100 any body-sty	97 97 97 average-m le wheel-	1.3 17 1.3 17 1.3 17 1.3 17 1.3 17 27 27 27 26 base 1	71.7 71.7 71.7 price 7775.0 7975.0 7995.0 9995.0	ohc ohc ohc ohc
55 56 57 58 nur 55 56 57 58 volvo cyline 59 our	81 82 86 m-of- ders 87	volkswage volkswage volkswage cylinders four four four index comp	n sedan n sedan n sedan horsepower 52 85 52 100 any body-sty	97 97 97 97 average-m le wheel- 104.3	1.3 17 1.3 17 1.3 17 1.3 17 1.3 17 1.3 17 27 27 27 26 base 1	71.7 71.7 71.7 price 7775.0 7975.0 7995.0 9995.0 Length engi	ohc ohc ohc ohc
55 56 57 58 nur 55 56 57 58 volvo cyline 59 our 60	81 82 86 m-of- ders 87	volkswage volkswage volkswage cylinders four four four index comp volvo	n sedan n sedan n sedan horsepower 52 85 52 100 any body-sty	97 97 97 97 average-m le wheel- 104.3	1.3 17 1.3 17 1.3 17 1.3 17 1.3 17 1.3 17 27 27 27 26 base 1	71.7 71.7 71.7 price 7775.0 7975.0 7995.0 9995.0 Length engi	ohc ohc ohc ohc
55 56 57 58 num 55 56 57 58 volvo cyline 59 our 60 our	81 82 86 m-of- ders 87	volkswage volkswage volkswage cylinders four four four volvo volvo	n sedan n sedan n sedan horsepower 52 85 52 100 any body-sty sedan wagon age-mileage	97 97 97 97 average-m le wheel- 104.3 104.3	1.3 17 1.3 17 1.3 17 1.3 17 1.3 17 1.3 17 27 27 27 26 base 1	71.7 71.7 71.7 price 7775.0 7975.0 7995.0 9995.0 Length engi	ohc ohc ohc ohc
55 56 57 58 nur 55 56 57 58 volvo cyline 59 our 60 our	81 82 86 m-of- ders 87 88	volkswage volkswage volkswage cylinders four four four four volvo	n sedan n sedan n sedan horsepower 52 85 52 100 any body-sty sedan wagon	97 97 97 97 average-m le wheel- 104.3 104.3	1.3 17 1.3 17 1.3 17 1.3 17 1.3 17 1.3 17 27 27 27 26 base 1	71.7 71.7 71.7 price 7775.0 7975.0 7995.0 9995.0 Length engi	ohc ohc ohc ohc

```
#Sort all cars by Price column
import pandas as pd

df = pd.read_csv("Automobile_data.csv")

df.sort_values(by=['price'],
  ascending=False)[['company','price']]
```

Out[]:

	company	price
35	mercedes-benz	45400.0
11	bmw	41315.0
34	mercedes-benz	40960.0
46	porsche	37028.0
12	bmw	36880.0
27	mazda	5195.0
13	chevrolet	5151.0
22	isuzu	NaN
23	isuzu	NaN
47	porsche	NaN

61 rows × 2 columns