

In [42]:

```
import pandas as pd
from matplotlib import pyplot as plt
import seaborn as sns
```

In [62]:

```
fifa=pd.read_csv('C:\pandas\players_20.csv')
fifa
```

Out[62]:

	sofifa_id	player_url	short_name	long_name	age	dob	height_cm	weight_kg	nationality	club
0	158023	https://sofifa.com/player/158023/lionel-messi/...	L. Messi	Lionel Andrés Messi Cuccittini	32	1987-06-24	170	72	Argentina	FC Barcelona
1	20801	https://sofifa.com/player/20801/cristiano-dos-santos-aveiro/...	Cristiano Ronaldo	Cristiano Ronaldo dos Santos Aveiro	34	1985-02-05	187	83	Portugal	Juventus
2	190871	https://sofifa.com/player/190871/neymar-da-silva-santos-junior/...	Neymar Jr	Neymar da Silva Santos Junior	27	1992-02-05	175	68	Brazil	Paris Saint-Germain
3	200389	https://sofifa.com/player/200389/jan-oblak/2019/...	J. Oblak	Jan Oblak	26	1993-01-07	188	87	Slovenia	Atlético Madrid
4	183277	https://sofifa.com/player/183277/eden-hazard/2019/...	E. Hazard	Eden Hazard	28	1991-01-07	175	74	Belgium	Real Madrid
...
18273	245006	https://sofifa.com/player/245006/shuai-shao/2019/...	Shao Shuai	邵帅	22	1997-03-10	186	79	China PR	Beijing Renhe FC
18274	250995	https://sofifa.com/player/250995/mingjie-xiao/2019/...	Xiao Mingjie	Mingjie Xiao	22	1997-01-01	177	66	China PR	Shanghai SIPG FC
18275	252332	https://sofifa.com/player/252332/wei-zhang/2019/...	Zhang Wei	张威	19	2000-05-16	186	75	China PR	Hebei China Fortune FC
18276	251110	https://sofifa.com/player/251110/haijian-wang/2019/...	Wang Haijian	汪海健	18	2000-08-02	185	74	China PR	Shanghai Greenland Shenhua FC
18277	233449	https://sofifa.com/player/233449/ximing-pan/2019/...	Pan Ximing	潘喜明	26	1993-01-11	182	78	China PR	Hebei China Fortune FC
18278 rows x 104 columns										

In [63]:

```
#To determine the no .of columns and 104 columns of different features of all different players
fifa.shape
```

Out[63]:

(18278, 104)

In [64]:

```
#Top 5 rows to be selected
fifa.head()
```

Out[64]:

	sofifa_id	player_url	short_name	long_name	age	dob	height_cm	weight_kg	nationality	club	...	
0	158023	https://sofifa.com/player/158023/lionel-messi/...	L. Messi	Lionel Andrés Messi Cuccittini	32	1987-06-24	170	72	Argentina	FC Barcelona	...	€
1	20801	https://sofifa.com/player/20801/cristiano-ronaldo-dos-santos-aveiro	Cristiano Ronaldo	Cristiano Ronaldo dos Santos Aveiro	34	1985-02-05	187	83	Portugal	Juventus	...	€
2	190871	https://sofifa.com/player/190871/neymar-da-silva	Neymar Jr	Neymar da Silva Santos Junior	27	1992-02-05	175	68	Brazil	Paris Saint-Germain	...	€
3	200389	https://sofifa.com/player/200389/jan-oblak/2019	J. Oblak	Jan Oblak	26	1993-01-07	188	87	Slovenia	Atlético Madrid	...	
4	183277	https://sofifa.com/player/183277/eden-hazard/2019	E. Hazard	Eden Hazard	28	1991-01-07	175	74	Belgium	Real Madrid	...	€

5 rows × 104 columns

In [65]:

```
#To determine the total nationality of respective players
fifa['nationality'].value_counts()
```

Out[65]:

```
England      1667
Germany      1216
Spain        1035
France        984
Argentina     886
...
Chad           1
Vietnam        1
Hong Kong      1
Mauritius      1
Liberia        1
Name: nationality, Length: 162, dtype: int64
```

In [66]:

```
#To determine the total nationality of first 10 rows
fifa['nationality'].value_counts()[0:10]
```

Out[66]:

```
England      1667
Germany      1216
Spain        1035
France        984
Argentina     886
Brazil        824
Italy         732
Colombia      591
Japan         453
Netherlands  416
Name: nationality, dtype: int64
```

In [67]:

```
#To determine the top five rows for determining the nationality
fifa['nationality'].value_counts()[0:5]
```

Out[67]:

```
England      1667
Germany      1216
Spain        1035
France        984
Argentina     886
Name: nationality, dtype: int64
```

In [68]:

```
fifa
```

Out[68]:

	sofifa_id	player_url	short_name	long_name	age	dob	height_cm	weight_kg	nationality	club
0	158023	https://sofifa.com/player/158023/lionel-messi/...	L. Messi	Lionel Andrés Messi Cuccittini	32	1987-06-24	170	72	Argentina	FC Barcelona
1	20801	https://sofifa.com/player/20801/cristiano-dos-santos-aveiro/...	Cristiano Ronaldo	Cristiano Ronaldo dos Santos Aveiro	34	1985-02-05	187	83	Portugal	Juventus
2	190871	https://sofifa.com/player/190871/neymar-da-silva-junior/...	Neymar Jr	Neymar da Silva Santos Junior	27	1992-02-05	175	68	Brazil	Paris Saint-Germain
3	200389	https://sofifa.com/player/200389/jan-oblak/20/...	J. Oblak	Jan Oblak	26	1993-01-07	188	87	Slovenia	Atlético Madrid
4	183277	https://sofifa.com/player/183277/eden-hazard/2/...	E. Hazard	Eden Hazard	28	1991-01-07	175	74	Belgium	Real Madrid
...
18273	245006	https://sofifa.com/player/245006/shuai-shao/20/...	Shao Shuai	邵帅	22	1997-03-10	186	79	China PR	Beijing Renhe FC
18274	250995	https://sofifa.com/player/250995/mingjie-xiao/...	Xiao Mingjie	Mingjie Xiao	22	1997-01-01	177	66	China PR	Shanghai SIPG FC
18275	252332	https://sofifa.com/player/252332/wei-zhang/20/...	Zhang Wei	张威	19	2000-05-16	186	75	China PR	Hebei China Fortune FC
18276	251110	https://sofifa.com/player/251110/haijian-wang/...	Wang Haijian	汪海健	18	2000-08-02	185	74	China PR	Shanghai Greenland Shenhua FC
18277	233449	https://sofifa.com/player/233449/ximing-pan/20/...	Pan Ximing	潘喜明	26	1993-01-11	182	78	China PR	Hebei China Fortune FC

18278 rows × 104 columns

In [69]:

```
#To determine the age of the players
fifa['age'].value_counts()
```

Out[69]:

```
22    1446
21    1375
23    1358
27    1324
25    1319
24    1296
26    1270
20    1247
28    1086
19    1011
29     999
30     883
31     807
18     640
32     597
33     475
35     310
34     301
17     229
36     131
37      81
38      42
39      20
40       13
16       12
41        4
42         2
Name: age, dtype: int64
```

In [70]:

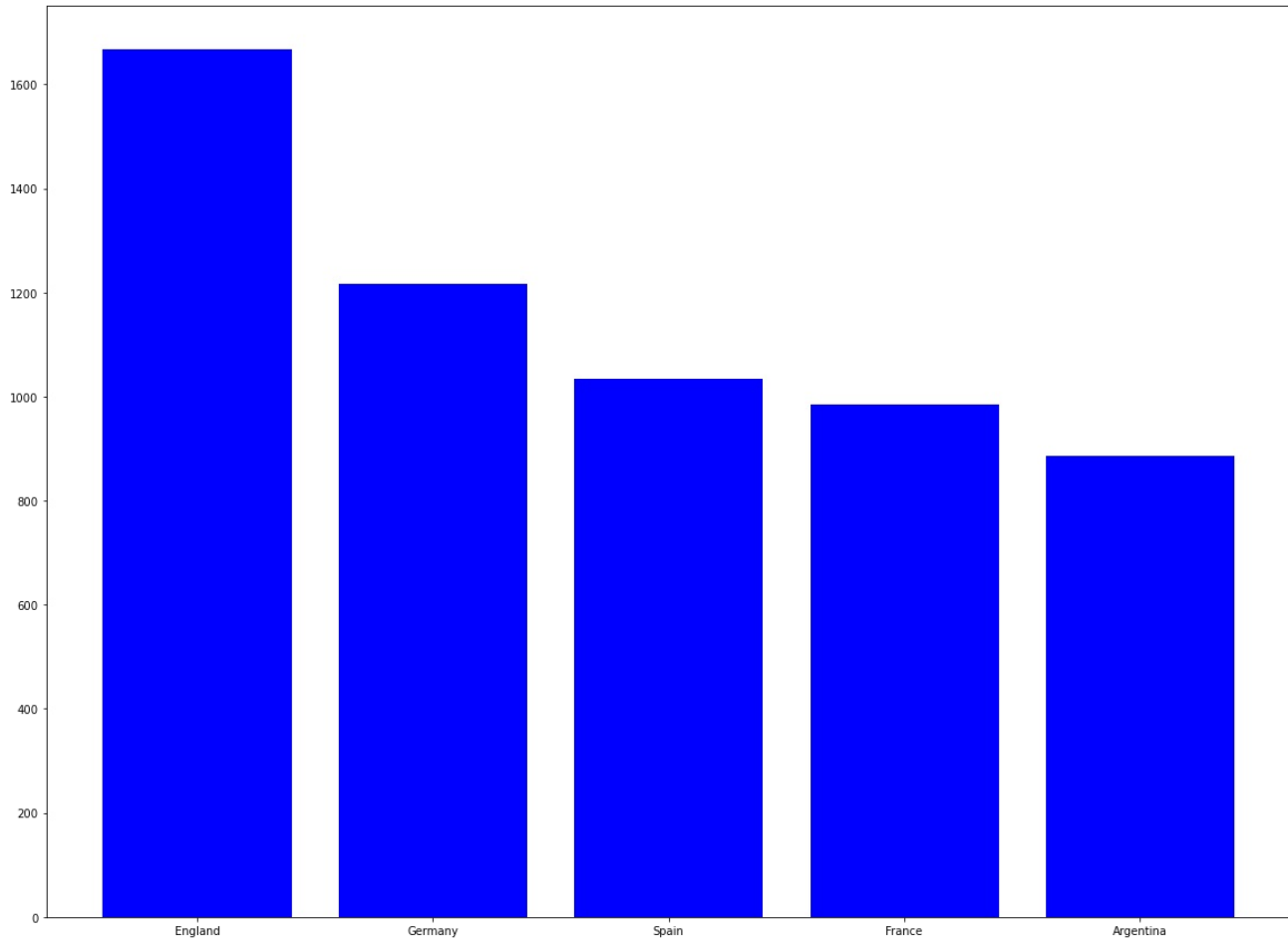
```
#To extract the top 5 countries without the values  
fifa['nationality'].value_counts()[0:5].keys()
```

Out[70]:

```
Index(['England', 'Germany', 'Spain', 'France', 'Argentina'], dtype='object')
```

In [71]:

```
#To plot the bar graph for players representing the countries  
plt.figure(figsize=(20,15))  
plt.bar(list(fifa['nationality'].value_counts()[0:5].keys()),list(fifa['nationality'].value_counts()[0:5]),color=  
"b")  
plt.show()
```



In [72]:

```
#To extract the players salary with the short name and wage  
player_salary=fifa[['short_name','wage_eur']]
```

In [73]:

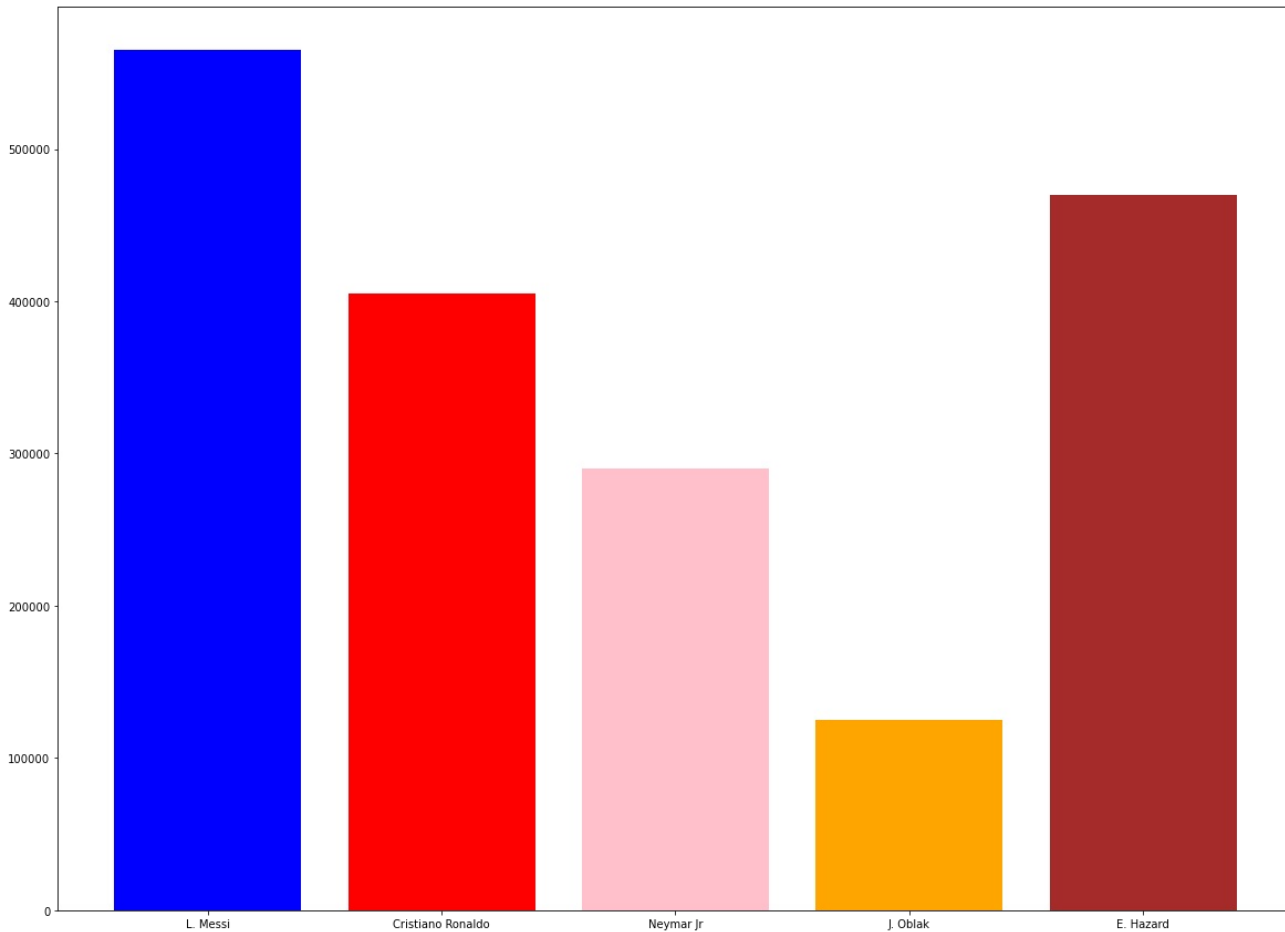
```
player_salary.head()
```

Out[73]:

	short_name	wage_eur
0	L. Messi	565000
1	Cristiano Ronaldo	405000
2	Neymar Jr	290000
3	J. Oblak	125000
4	E. Hazard	470000

In [74]:

```
#To display the bar chart for players salary
plt.figure(figsize=(20,15))
plt.bar(list(player_salary['short_name'])[0:5],list(player_salary['wage_eur'])[0:5],color=["blue","red","pink","orange","brown"])
plt.show()
```



In [75]:

```
#To get the nationality on Players of England, if yes then true & viceversa
fifa['nationality']=='England'
```

Out[75]:

```
0      False
1      False
2      False
3      False
4      False
...
18273   False
18274   False
18275   False
18276   False
18277   False
Name: nationality, Length: 18278, dtype: bool
```

In [76]:

```
fifa['nationality']=='Germany'
```

Out[76]:

```
0      False
1      False
2      False
3      False
4      False
...
18273   False
18274   False
18275   False
18276   False
18277   False
Name: nationality, Length: 18278, dtype: bool
```

```
#Germany
Germany=fifa[fifa['nationality']=='Germany']
```

```
Germany.head(10)
```

```
sofifa_id player_url short_name long_name age dob height_cm weight_kg nationality club ... lwb ldm cdm rdm rwb lb
```

```
#To get the weight of players in ascending
fifa.sort_values(by=["weight_kg"], ascending=True)
```

	sofifa_id	player_url	short_name	long_name	age	dob	height_cm	weight_kg	nationality	
13070	235600	https://sofifa.com/player/235600/bandar-al-mutairi	B. Al Mutairi	Bandar Al Mutairi	29	1990-03-14	168	50	Saudi Arabia	Al Fa
17022	252422	https://sofifa.com/player/252422/mohsen-abdullah	M. Abdullah	Mohsen Abdullah	24	1995-04-13	164	52	United Arab Emirates	Al Ain
4982	214919	https://sofifa.com/player/214919/diego-rojas/20190201	D. Rojas	Diego Nicolás Rojas Orellana	24	1995-02-15	164	52	Chile	Unión Calchaquense
10114	234430	https://sofifa.com/player/234430/isidro-rosrios	Isi Ros	Isidro Ros Rios	23	1995-11-06	165	53	Spain	Alcorcón
17078	246091	https://sofifa.com/player/246091/jorge-garcia/20190201	J. García	Jorge García	17	2002-01-22	165	53	Mexico	Cruz Azul
...
13576	239746	https://sofifa.com/player/239746/lukas-watkowiak	L. Watkowiak	Lukas Watkowiak	23	1996-03-06	197	103	Germany	SV Werder Bremen
15064	237399	https://sofifa.com/player/237399/evan-louro/20190201	E. Louro	Evan Louro	23	1996-01-19	191	104	United States	New York Red Bulls
7439	195357	https://sofifa.com/player/195357/fabien-farnolle	F. Farnolle	Fabien Farnolle	34	1985-02-05	196	104	Benin	Malatya Yildirimspor
9572	179685	https://sofifa.com/player/179685/chris-seitz/20190201	C. Seitz	Chris Seitz	32	1987-03-12	191	107	United States	DC United
10693	156321	https://sofifa.com/player/156321/adebayo-akinfenwa	A. Akinfenwa	Adebayo Akinfenwa	37	1982-05-10	178	110	England	Wycombe Wanderers
18278 rows x 104 columns										

In [82]:

Out[82]:

	sofifa_id	player_url	short_name	long_name	age	dob	height_cm	weight_kg	nationality	club
0	158023	https://sofifa.com/player/158023/lionel-messi/...	L. Messi	Lionel Andrés Messi Cuccittini	32	1987-06-24	170	72	Argentina	FC Barcelona
1	20801	https://sofifa.com/player/20801/cristiano-dos-santos-aveiro	Cristiano Ronaldo	Cristiano Ronaldo dos Santos Aveiro	34	1985-02-05	187	83	Portugal	Juventus
2	190871	https://sofifa.com/player/190871/neymar-da-silva-junior	Neymar Jr	Neymar da Silva Santos Junior	27	1992-02-05	175	68	Brazil	Paris Saint-Germain
3	200389	https://sofifa.com/player/200389/jan-oblak/20...	J. Oblak	Jan Oblak	26	1993-01-07	188	87	Slovenia	Atlético Madrid
4	183277	https://sofifa.com/player/183277/eden-hazard/2...	E. Hazard	Eden Hazard	28	1991-01-07	175	74	Belgium	Real Madrid
...
18273	245006	https://sofifa.com/player/245006/shuai-shao/20...	Shao Shuai	邵帅	22	1997-03-10	186	79	China PR	Beijing Renhe FC
18274	250995	https://sofifa.com/player/250995/mingjie-xiao/...	Xiao Mingjie	Mingjie Xiao	22	1997-01-01	177	66	China PR	Shanghai SIPG FC
18275	252332	https://sofifa.com/player/252332/wei-zhang/20...	Zhang Wei	张威	19	2000-05-16	186	75	China PR	Hebei China Fortune FC
18276	251110	https://sofifa.com/player/251110/haijian-wang/...	Wang Haijian	汪海健	18	2000-08-02	185	74	China PR	Shanghai Greenland Shenhua FC
18277	233449	https://sofifa.com/player/233449/ximing-pan/20...	Pan Ximing	潘喜明	26	1993-01-11	182	78	China PR	Hebei China Fortune FC

18278 rows × 104 columns

In [85]:

fifa.sort_values(by=["age"],ascending="True").head(10)

Out[85]:

	sofifa_id	player_url	short_name	long_name	age	dob	height_cm	weight_kg	nationality	club
18171	252892	https://sofifa.com/player/252892/joseph-starbuck	J. Starbuck	Joseph Starbuck	16	2002-08-03	174	69	England	Lincoln City
4764	246618	https://sofifa.com/player/246618/adam-hlozek/2...	A. Hložek	Adam Hložek	16	2002-07-25	185	80	Czech Republic	Sparta Prague
18243	247100	https://sofifa.com/player/247100/elliott-sartorius	E. Sartorius	Elliott Sartorius	16	2002-07-29	174	69	England	Lincoln City
17827	251219	https://sofifa.com/player/251219/darragh-burns...	D. Burns	Darragh Burns	16	2002-08-06	176	62	Northern Ireland	St. Patrick's Athletic
17614	248187	https://sofifa.com/player/248187/daniel-obbekjaer	D. Obbekjær	Daniel Obbekjær	16	2002-07-16	193	86	Denmark	F.C. Copenhagen
17782	248567	https://sofifa.com/player/248567/sebastian-anderson	S. Anderson	Sebastian Anderson	16	2002-08-08	175	64	United States	Charlotte FC
18242	246410	https://sofifa.com/player/246410/robin-wikberg...	R. Wikberg	Robin Wikberg	16	2002-07-03	186	72	Sweden	Östersunds FK
18031	246815	https://sofifa.com/player/246815/oliver-stefansson	O. Stefánsson	Oliver Stefánsson	16	2002-08-03	190	75	Iceland	Knattspíllfélagið Fram
14626	252238	https://sofifa.com/player/252238/alan-velasco/...	A. Velasco	Alan Velasco	16	2002-07-27	167	63	Argentina	Independiente
12160	247888	https://sofifa.com/player/247888/sebastiano-esposito	S. Esposito	Sebastiano Esposito	16	2002-07-02	186	75	Italy	SS Lazio

10 rows × 104 columns

In [93]:

```
#To sort by age
fifa.sort_values(by=["age"], ascending=False).head(20)
```

Out[93]:

	sofifa_id	player_url	short_name	long_name	age	dob	height_cm	weight_kg	nationality	club
13003	208927	https://sofifa.com/player/208927/hussain-omar-...	H. Sulaimani	Hussein Omar Abdul Ghani Sulaimani	42	1977-01-21	173	70	Saudi Arabia	Al A
11832	142998	https://sofifa.com/player/142998/cristian-muno...	C. Muñoz	Cristian Fernando Muñoz Hoffman	42	1977-07-01	177	73	Argentina	Universid, Concepci
200	1179	https://sofifa.com/player/1179/gianluigi-buffo...	G. Buffon	Gianluigi Buffon	41	1978-01-28	192	92	Italy	Juvent
3706	156483	https://sofifa.com/player/156483/cristian-lucc...	C. Lucchetti	Cristian David Lucchetti	41	1978-06-26	182	69	Argentina	Atléti Tucum
10665	49511	https://sofifa.com/player/49511/frode-kippe/20...	F. Kippe	Frode Kippe	41	1978-01-17	194	97	Norway	Lillestrøm S
868	153260	https://sofifa.com/player/153260/vitorino-hilt...	Hilton	Vitorino Hilton da Silva	41	1977-09-13	180	78	Brazil	Montpelli H
2965	110638	https://sofifa.com/player/110638/alberto-cifue...	Cifuentes	Alberto Cifuentes Martínez	40	1979-05-29	189	80	Spain	Cádiz C
15812	104900	https://sofifa.com/player/104900/michael-gursk...	M. Gurski	Michael Gurski	40	1979-03-21	189	89	Germany	SpVg Unterhachii
8359	142818	https://sofifa.com/player/142818/fabian-cubero...	F. Cubero	Fabián Alberto Cubero	40	1978-12-21	175	72	Argentina	Vél Sarsfie
2963	7647	https://sofifa.com/player/7647/dario-dainelli/...	D. Dainelli	Dario Dainelli	40	1979-06-09	191	78	Italy	Livon
14527	53352	https://sofifa.com/player/53352/dannie-bulman/...	D. Bulman	Dannie Bulman	40	1979-01-24	175	75	England	Crawl Tow
6235	105308	https://sofifa.com/player/105308/jean-francois...	J. Gillet	Jean-François Gillet	40	1979-05-31	181	78	Belgium	Standard Liè
10702	162952	https://sofifa.com/player/162952/mauricio-cara...	M. Caranta	Mauricio Ariel Caranta	40	1978-07-31	184	77	Argentina	Club Atlético Taller
7230	136553	https://sofifa.com/player/136553/dong-gook-lee...	Lee Dong Gook	이동국 李东国	40	1979-04-29	185	80	Korea Republic	Jeonb Hyunc Motc
1880	25420	https://sofifa.com/player/25420/claudio-pizarr...	C. Pizarro	Claudio Miguel Pizarro Bossio	40	1978-10-03	184	84	Peru	SV Werd Brem
16314	2702	https://sofifa.com/player/2702/kevin-ellison/2...	K. Ellison	Kevin Ellison	40	1979-02-23	180	76	England	Morecam
18233	182461	https://sofifa.com/player/182461/ting-zhou/20/...	Zhou Ting	周挺	40	1979-02-05	182	73	China PR	Dali YiFang F
4418	16254	https://sofifa.com/player/16254/tim-howard/20/...	T. Howard	Tim Howard	40	1979-03-06	191	88	United States	Colora Rapi
4417	16097	https://sofifa.com/player/16097/nick-rimando/2...	N. Rimando	Nick Rimando	40	1979-06-17	178	83	United States	Real S La
5249	138871	https://sofifa.com/player/138871/davide-moscar...	D. Moscardelli	Davide Moscardelli	39	1980-02-03	185	80	Italy	Pi

20 rows × 104 columns

In [94]:

```
player_shooting=fifa[['short_name', 'shooting']]
```


In [95]:

```
player_shooting.head()
```

Out[95]:

	short_name	shooting
0	L. Messi	92.0
1	Cristiano Ronaldo	93.0
2	Neymar Jr	85.0
3	J. Oblak	NaN
4	E. Hazard	83.0

In [98]:

```
player_shooting.sort_values(by=['shooting'],ascending=False).head(10)
```

Out[98]:

	short_name	shooting
1	Cristiano Ronaldo	93.0
0	L. Messi	92.0
12	H. Kane	91.0
17	S. Agüero	90.0
205	F. Quagliarella	89.0
19	L. Suárez	89.0
96	Z. Ibrahimović	88.0
37	M. Reus	88.0
100	G. Bale	87.0
20	R. Lewandowski	87.0

In [99]:

```
#To find out the ascending order of shooting of individual players  
player_shooting.sort_values(by=['shooting'],ascending=True).head(10)
```

Out[99]:

	short_name	shooting
4330	F. Ceccherini	15.0
11455	A. Camigliano	16.0
16661	L. Polvani	16.0
12793	N. Canavan	16.0
3695	D. Maietta	16.0
11928	B. Easton	17.0
15820	Ai Zhibo	17.0
8172	M. Chiosa	17.0
14308	G. Ray	17.0
9237	N. Datković	18.0

In [100]:

```
#To get the defending criteria with few more parameters  
players_defending=fifa[['short_name','defending','nationality','club']]
```

In [101]:

```
players_defending.head(10)
```

Out[101]:

	short_name	defending	nationality	club
0	L. Messi	39.0	Argentina	FC Barcelona
1	Cristiano Ronaldo	35.0	Portugal	Juventus
2	Neymar Jr	32.0	Brazil	Paris Saint-Germain
3	J. Oblak	NaN	Slovenia	Atlético Madrid
4	E. Hazard	35.0	Belgium	Real Madrid
5	K. De Bruyne	61.0	Belgium	Manchester City
6	M. ter Stegen	NaN	Germany	FC Barcelona
7	V. van Dijk	90.0	Netherlands	Liverpool
8	L. Modrić	72.0	Croatia	Real Madrid
9	M. Salah	45.0	Egypt	Liverpool

In [104]:

```
#Players from Real Madrid
real_madrid=fifa[fifa['club']=='Real Madrid']
```

In [103]:

```
real_madrid
```

Out[103]:

	sofifa_id	player_url	short_name	long_name	age	dob	height_cm	weight_kg	nationality	club
4	183277	https://sofifa.com/player/183277/eden-hazard/2...	E. Hazard	Eden Hazard	28	1991-01-07	175	74	Belgium	Real Madrid
8	177003	https://sofifa.com/player/177003/luka-modric/2...	L. Modrić	Luka Modrić	33	1985-09-09	172	66	Croatia	Real Madrid
18	155862	https://sofifa.com/player/155862/sergio-ramos-...	Sergio Ramos	Sergio Ramos García	33	1986-03-30	184	82	Spain	Real Madrid
28	192119	https://sofifa.com/player/192119/thibaut-court...	T. Courtois	Thibaut Courtois	27	1992-05-11	199	96	Belgium	Real Madrid
36	182521	https://sofifa.com/player/182521/toni-kroos/20...	T. Kroos	Toni Kroos	29	1990-01-04	183	76	Germany	Real Madrid
42	200145	https://sofifa.com/player/200145/carlos-henriq...	Casemiro	Carlos Henrique Venancio Casimiro	27	1992-02-23	185	84	Brazil	Real Madrid
46	165153	https://sofifa.com/player/165153/karim-benzema...	K. Benzema	Karim Benzema	31	1987-12-19	185	81	France	Real Madrid
53	193041	https://sofifa.com/player/193041/keylor-navas/...	K. Navas	Keylor Navas	32	1986-12-15	185	80	Costa Rica	Real Madrid
62	197781	https://sofifa.com/player/197781/francisco-rom...	Isco	Francisco Román Alarcón Suárez	27	1992-04-21	176	79	Spain	Real Madrid
76	201535	https://sofifa.com/player/201535/raphael-varan...	R. Varane	Raphaël Varane	26	1993-04-25	191	81	France	Real Madrid
94	204963	https://sofifa.com/player/204963/daniel-carvaj...	Carvajal	Daniel Carvajal Ramos	27	1992-01-11	173	73	Spain	Real Madrid
100	173731	https://sofifa.com/player/173731/gareth-bale/2...	G. Bale	Gareth Frank Bale	29	1989-07-16	185	82	Wales	Real Madrid
101	176676	https://sofifa.com/player/176676/marcelo-vieir...	Marcelo	Marcelo Vieira da Silva Júnior	31	1988-05-12	174	75	Brazil	Real Madrid
106	198710	https://sofifa.com/player/198710/james-rodrigu...	J. Rodríguez	James David Rodríguez Rubio	27	1991-07-12	180	75	Colombia	Real Madrid
161	232432	https://sofifa.com/player/232432/luka-jovic/20...	L. Jović	Luka Jović	21	1997-12-23	182	85	Serbia	Real Madrid
178	220834	https://sofifa.com/player/220834/marco-asensio...	Marco Asensio	Marco Asensio Willemssen	23	1996-01-21	182	76	Spain	Real Madrid

277	200724	https://sofifa.com/player/200724/jose-ignacio-...	Nacho Fernández	Jose Ignacio Fernández Iglesias	29	1990-01-18	180	76	Spain	Real Madrid
332	240130	https://sofifa.com/player/240130/eder-gabriel-...	Éder Militão	Éder Gabriel Militão	21	1998-01-18	186	78	Brazil	Real Madrid
403	208618	https://sofifa.com/player/208618/lucas-vazquez-...	Lucas Vázquez	Lucas Vázquez Iglesias	28	1991-07-01	173	70	Spain	Real Madrid
424	228618	https://sofifa.com/player/228618/ferland-mendy-...	F. Mendy	Ferland Mendy	24	1995-06-08	180	73	France	Real Madrid
437	234035	https://sofifa.com/player/234035/alvaro-odrizola-...	Odrizola	Álvaro Odrizola Arzalluz	23	1995-12-14	176	66	Spain	Real Madrid
568	238794	https://sofifa.com/player/238794/vinicius-jose-...	Vinícius Jr.	Vinícius José de Oliveira Júnior	18	2000-07-12	176	73	Brazil	Real Madrid
636	221639	https://sofifa.com/player/221639/mariano-diaz-...	Mariano	Mariano Díaz Mejía	25	1993-08-01	180	76	Dominican Republic	Real Madrid
1009	239053	https://sofifa.com/player/239053/federico-valv-...	F. Valverde	Federico Valverde	20	1998-07-22	182	78	Uruguay	Real Madrid
1256	243812	https://sofifa.com/player/243812/rodrygo-silva-...	Rodrygo	Rodrygo Silva de Goes	18	2001-01-09	174	64	Brazil	Real Madrid
2286	209749	https://sofifa.com/player/209749/lucas-silva-b-...	Lucas Silva	Lucas Silva Borges	26	1993-02-16	182	80	Brazil	Real Madrid
2652	231410	https://sofifa.com/player/231410/brahim-diaz/2-...	Brahim	Brahim Díaz	19	1999-08-03	171	68	Spain	Real Madrid
4757	237681	https://sofifa.com/player/237681/takefusa-kubo-...	T. Kubo	久保 建英	18	2001-06-04	173	67	Japan	Real Madrid
5676	244523	https://sofifa.com/player/244523/javier-hernan-...	Javi Hernández	Javier Hernández Carrera	21	1998-05-02	182	72	Spain	Real Madrid
8777	245287	https://sofifa.com/player/245287/sergio-lopez-...	Sergio López	Sergio López Galache	20	1999-04-08	179	66	Spain	Real Madrid
8898	246608	https://sofifa.com/player/246608/alvaro-fidalg-...	Fidalgo	Álvaro Fidalgo Fernández	22	1997-04-09	175	68	Spain	Real Madrid
9922	245290	https://sofifa.com/player/245290/adrian-de-la-...	De la Fuente	Adrián de la Fuente	20	1999-02-22	179	78	Spain	Real Madrid
13116	247411	https://sofifa.com/player/247411/diego-altube-...	Altube	Diego Altube Suárez	19	2000-02-22	188	85	Spain	Real Madrid

In [107]:

```
real_madrid.sort_values(by=['shooting'],ascending=True).head(10)
```

Out[107]:

	sofifa_id	player_url	short_name	long_name	age	dob	height_cm	weight_kg	nationality	club	...
277	200724	https://sofifa.com/player/200724/jose-ignacio-...	Nacho Fernández	José Ignacio Fernández Iglesias	29	1990-01-18	180	76	Spain	Real Madrid	...
9922	245290	https://sofifa.com/player/245290/adrian-de-la-...	De la Fuente	Adrián de la Fuente	20	1999-02-22	179	78	Spain	Real Madrid	...
76	201535	https://sofifa.com/player/201535/raphael-varan...	R. Varane	Raphaël Varane	26	1993-04-25	191	81	France	Real Madrid	...
5676	244523	https://sofifa.com/player/244523/javier-hernan...	Javi Hernández	Javier Hernández Carrera	21	1998-05-02	182	72	Spain	Real Madrid	...
94	204963	https://sofifa.com/player/204963/daniel-carvaj...	Carvajal	Daniel Carvajal Ramos	27	1992-01-11	173	73	Spain	Real Madrid	...
332	240130	https://sofifa.com/player/240130/eder-gabriel...	Éder Militão	Éder Gabriel Militão	21	1998-01-18	186	78	Brazil	Real Madrid	...
8898	246608	https://sofifa.com/player/246608/alvaro-fidalg...	Fidalgo	Álvaro Fidalgo Fernández	22	1997-04-09	175	68	Spain	Real Madrid	...
437	234035	https://sofifa.com/player/234035/alvaro-odriz...	Odrizola	Álvaro Odrizola Arzalluz	23	1995-12-14	176	66	Spain	Real Madrid	...
8777	245287	https://sofifa.com/player/245287/sergio-lopez-...	Sergio López	Sergio López Galache	20	1999-04-08	179	66	Spain	Real Madrid	...
4757	237681	https://sofifa.com/player/237681/takefusa-kubo...	T. Kubo	久保 建英	18	2001-06-04	173	67	Japan	Real Madrid	...

10 rows × 104 columns

In [108]:

```
#To get no.of players from real madrid
real_madrid['nationality'].value_counts()
```

Out[108]:

```
Spain          13
Brazil          6
France          3
Belgium         2
Wales           1
Costa Rica      1
Croatia         1
Colombia        1
Germany         1
Japan           1
Dominican Republic 1
Serbia          1
Uruguay         1
Name: nationality, dtype: int64
```

In []: