```
In [1]:  import pandas as pd
```

```
In [3]:  import matplotlib.pyplot as plt
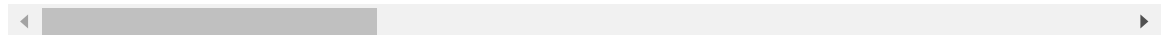```

```
In [7]:  fifa_data = pd.read_csv('fifa_data.csv')
```

```
In [9]:  df = pd.read_csv('fifa_data.csv')
         df.head(5)
```

Out[9]:

	Unnamed: 0	ID	Name	Age	Photo	Natio
0	0	158023	L. Messi	31	https://cdn.sofifa.org/players/4/19/158023.png	Arge
1	1	20801	Cristiano Ronaldo	33	https://cdn.sofifa.org/players/4/19/20801.png	Po
2	2	190871	Neymar Jr	26	https://cdn.sofifa.org/players/4/19/190871.png	
3	3	193080	De Gea	27	https://cdn.sofifa.org/players/4/19/193080.png	
4	4	192985	K. De Bruyne	27	https://cdn.sofifa.org/players/4/19/192985.png	Be

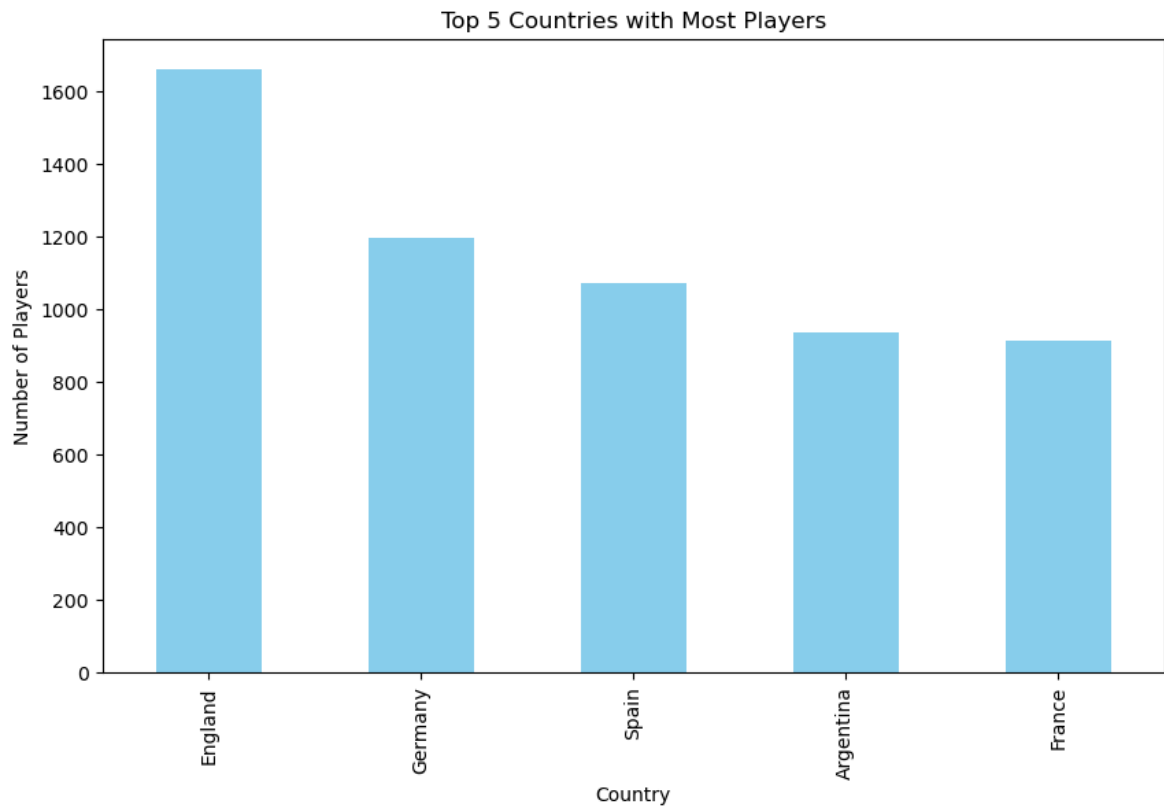5 rows × 89 columns

Question 1

```
In [13]:  top_countries = fifa_data['Nationality'].value_counts()
          print(f"Country with most players: {top_countries.idxmax()} ({top_countries.max(
```

```
Country with most players: England (1662 players)
```

Question 2

```
In [17]:  top_5_countries = top_countries.head(5)
          plt.figure(figsize=(10, 6))
          top_5_countries.plot(kind='bar', color='skyblue')
          plt.title('Top 5 Countries with Most Players')
          plt.xlabel('Country')
          plt.ylabel('Number of Players')
          plt.show()
```
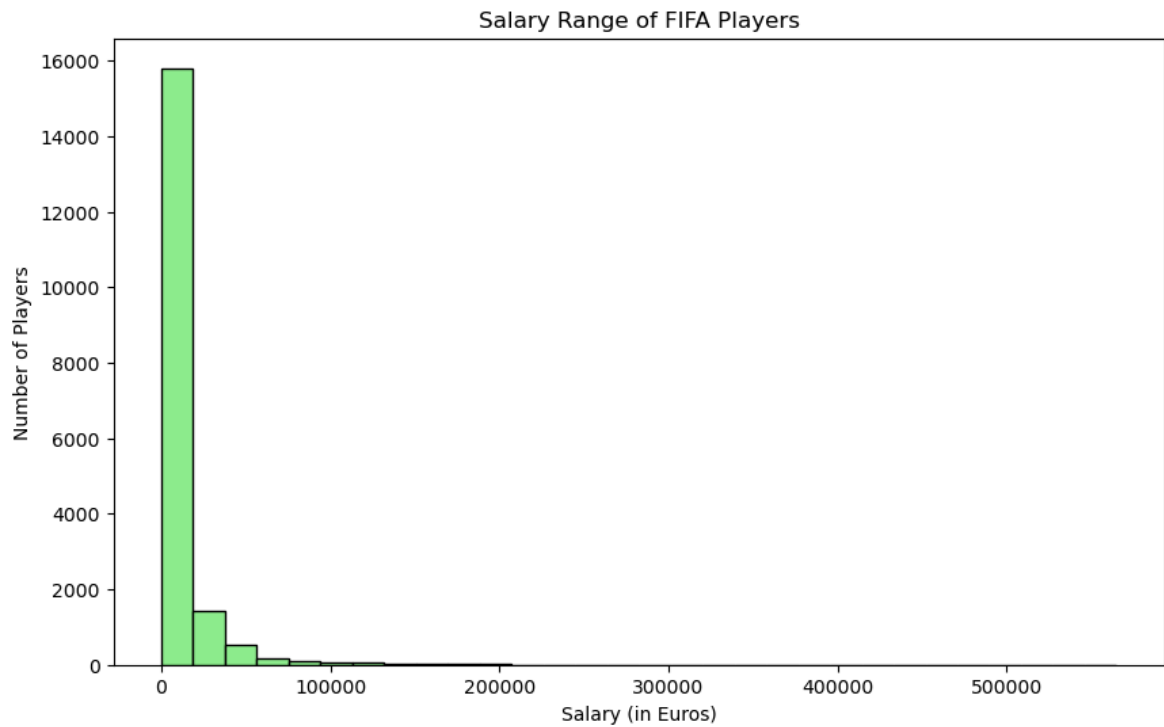
Top 5 Countries with Most Players

Question 3

```
In [21]: fifa_data['Wage'] = fifa_data['Wage'].replace({'€': '', 'K': '000', 'M': '000000
         highest_paid_player = fifa_data.loc[fifa_data['Wage'].idxmax(), ['Name', 'Wage']
         print(f"Highest paid player: {highest_paid_player['Name']} with a salary of €{hi
```

```
Highest paid player: L. Messi with a salary of €565000.0
```

Question 4

```
In [25]: plt.figure(figsize=(10, 6))
         plt.hist(fifa_data['Wage'].dropna(), bins=30, color='lightgreen', edgecolor='bla
         plt.title('Salary Range of FIFA Players')
         plt.xlabel('Salary (in Euros)')
         plt.ylabel('Number of Players')
         plt.show()
```

Question 5

```
In [29]:   fifa_data['Height'] = fifa_data['Height'].str.replace("'", ".").astype(float)
           tallest_player = fifa_data.loc[fifa_data['Height'].idxmax(), ['Name', 'Height']]
           print(f"Tallest player: {tallest_player['Name']} with a height of {tallest_playe
```

```
Tallest player: T. Holý with a height of 6.9 feet
```
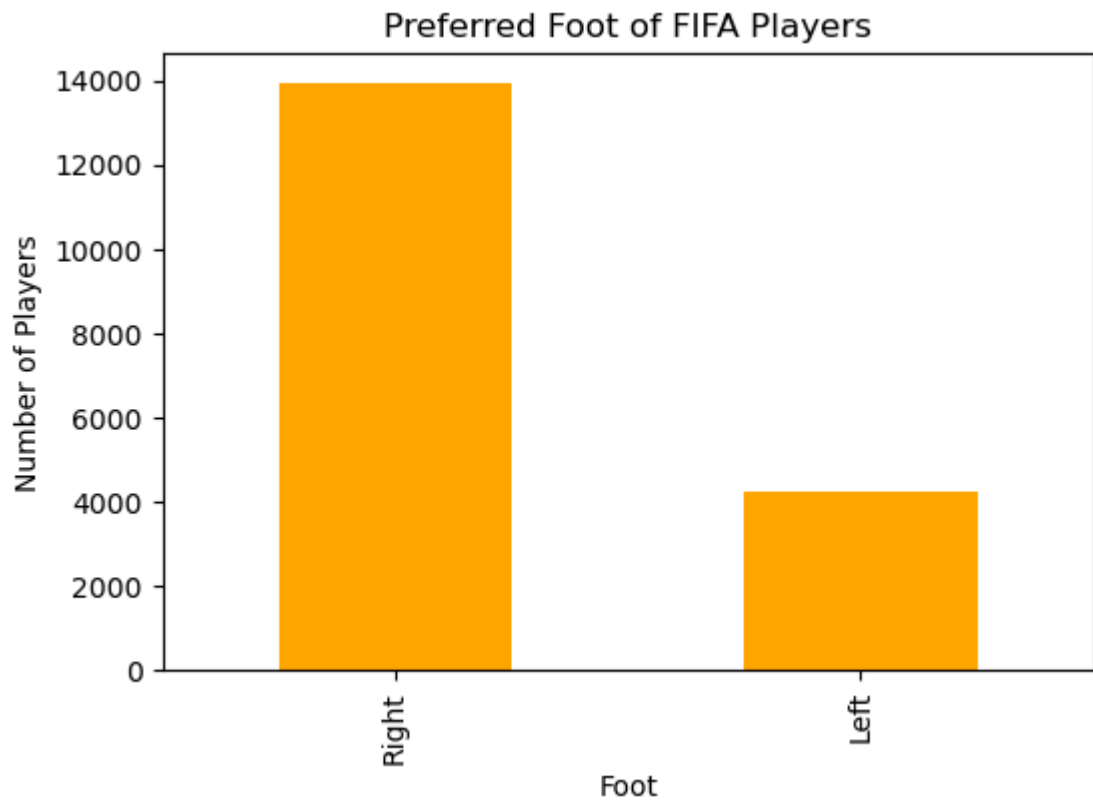
Question 6

```
In [33]:   top_club = fifa_data['Club'].value_counts().idxmax()
           print(f"Club with the most players: {top_club}")
```

```
Club with the most players: FC Barcelona
```

Question 7

```
In [37]:   preferred_foot = fifa_data['Preferred Foot'].value_counts()
           print(f"Most preferred foot: {preferred_foot.idxmax()} with {preferred_foot.max(
           plt.figure(figsize=(6, 4))
           preferred_foot.plot(kind='bar', color='orange')
           plt.title('Preferred Foot of FIFA Players')
           plt.xlabel('Foot')
           plt.ylabel('Number of Players')
           plt.show()
```

```
Most preferred foot: Right with 13948 players
```

Preferred Foot of FIFA Players

In [ ]: