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```
import pandas as pd
```

```
df=pd.read_csv('dataset1.csv')
```

```
print(df)
```

Output:

	Year	Format	Host	Final Venue	Winner	Margin	Runner up
0	1984	ODI	UAE	Sharjah	India	54 runs	Pakistan
1	1986	ODI	Sri Lanka	Colombo (SSC)	Sri Lanka	5 wickets	Pakistan
2	1988	ODI	Bangladesh	Dhaka	India	6 wickets	Sri Lanka
3	1991	ODI	India	Kolkata	India	7 wickets	Sri Lanka
4	1995	T20I	UAE	Sharjah	India	8 wickets	Sri Lanka
5	1997	ODI	Sri Lanka	Colombo (RPS)	Sri Lanka	8 wickets	India
6	2000	ODI	Bangladesh	Dhaka	Pakistan	39 runs	Sri Lanka
7	2004	ODI	Sri Lanka	Colombo (RPS)	Sri Lanka	25 runs	India
8	2008	T20I	Pakistan	Karachi	Sri Lanka	100 runs	India
9	2010	ODI	Sri Lanka	Dambulla	India	81 runs	Sri Lanka
10	2012	ODI	Bangladesh	Mirpur	Pakistan	2 runs	Bangladesh
11	2014	ODI	Bangladesh	Mirpur	Sri Lanka	5 wickets	Pakistan
12	2016	T20I	Bangladesh	Mirpur	India	8 wickets	Bangladesh

#a.Find the country who has won the most Asia Cup

```
most_cup=df.groupby('Winner')['Year'].sum().idxmax()
```

```
print("The most asia cup won by team :",most_cup)
```

Output:

```
the most asia cup won by team India
```

#b.Find the country who Host most Asia Cup tournaments

```
m_host=df.groupby('Host')['Year'].sum().idxmax()
```

```
print("The country hosted most asia cup:",m_host)
```

Output:

```
The country hosted most asia cup: Bangladesh
```

#c.Find the country who has the runner up in 1988 , 2004 and 2016

```
r_up=df.loc[df['Year'].isin([1988, 2004, 2016]),['Runner up']].values
```

```
print("The runner up teams in 1988,2004,2016 are\n",r_up)
```

Output:

```
The runner up teams in 1988,2004,2016 are
['Sri Lanka']
['India']
['Bangladesh']
```

#d. Find the different formats of Asia Cup

```
formate=df['Format'].unique()
```

```
print("The different type of formate is",formate)
```

Output:

```
The different type of formate is ['ODI' 'T20I']
```

#e. Clean the dataset if record is empty with 0 values or delete incomplete data row

```
x=df.fillna(0)
```

```
print(x)
```

Output:

	Year	Format	Host	Final Venue	Winner	Margin	Runner up
0	1984	ODI	UAE	Sharjah	India	54 runs	Pakistan
1	1986	ODI	Sri Lanka	Colombo (SSC)	Sri Lanka	5 wickets	Pakistan
2	1988	ODI	Bangladesh	Dhaka	India	6 wickets	Sri Lanka
3	1991	ODI	India	Kolkata	India	7 wickets	Sri Lanka
4	1995	T20I	UAE	Sharjah	India	8 wickets	Sri Lanka
5	1997	ODI	Sri Lanka	Colombo (RPS)	Sri Lanka	8 wickets	India
6	2000	ODI	Bangladesh	Dhaka	Pakistan	39 runs	Sri Lanka
7	2004	ODI	Sri Lanka	Colombo (RPS)	Sri Lanka	25 runs	India
8	2008	T20I	Pakistan	Karachi	Sri Lanka	100 runs	India
9	2010	ODI	Sri Lanka	Dambulla	India	81 runs	Sri Lanka
10	2012	ODI	Bangladesh	Mirpur	Pakistan	2 runs	Bangladesh
11	2014	ODI	Bangladesh	Mirpur	Sri Lanka	5 wickets	Pakistan
12	2016	T20I	Bangladesh	Mirpur	India	8 wickets	Bangladesh

#f. Find the All Year of Asia cup won by India

```
icup=df.loc[df['Winner']=='India',['Year']].tail()
```

```
print("The Years in which india won asia cup\n",icup.to_string(index=False,header=False))
```

Output:

```
The Years in which india won asia cup
1988
1991
1995
2010
2016
```

#g. Find the final match hosted by 'Bangladesh'

```
f_ban=df.loc[df['Host']=='Bangladesh',['Year','Final Venue','Winner']].tail(1)
```

```
print("The final match hosted by bangladesh is in \n",f_ban.to_string(index=False))
```

Output:

```
The final match hosted by bangladesh is in
Year Final Venue Winner
2016 Mirpur India
```