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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

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

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

Output:

the most asia cup won by team India

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

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

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

Output:

The country hosted most asia cup: Bangladesh

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

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

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

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
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0	1984	ODI	UAE Sharjah	India	54 runs	Pakistan
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1	1986	ODI	Sri Lanka Colombo (SSC)	Sri Lanka	5 wickets	Pakistan
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2	1988	ODI	Bangladesh Dhaka	India	6 wickets	Sri Lanka
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3	1991	ODI	India Kolkata	India	7 wickets	Sri Lanka
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4	1995	T20I	UAE Sharjah	India	8 wickets	Sri Lanka
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5	1997	ODI	Sri Lanka Colombo (RPS)	Sri Lanka	8 wickets	India
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6	2000	ODI	Bangladesh Dhaka	Pakistan	39 runs	Sri Lanka
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7	2004	ODI	Sri Lanka Colombo (RPS)	Sri Lanka	25 runs	India
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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

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

```
print("The Years in which india won asia cup\n",Q.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'

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

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

Output:

The final match hosted by bangladesh is in

Year Final Venue Winner

2016 Mirpur India