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E1 Batch \_502

import pandas as pd

# Create a DataFrame from the provided dataset

data = {

    'Year': [1975, 1979, 1983, 1987, 1992, 1996, 1999, 2003, 2007, 2011, 2015, 2019],

    'Host': ['England', 'England', 'England', 'India', 'Australia, New Zealand', 'India, Pakistan, Sri Lanka', 'England', 'South Africa', 'West Indies', 'India, Pakistan, Sri Lanka, Bangladesh', 'Australia, New Zealand', 'India, Pakistan, Sri Lanka'],

    'Venue for Final': ["Lord's", "Lord's", "Lord's", "Kolkata", "Melbourne", "Lahore (Gdffi)", "Lord's", "Wanderers", "Bridgetown", "Wankhede", "Melbourne", "Lahore (Gdffi)"],

    'Team-1': ['WI', 'WI', 'Ind', 'Aus', 'Pak', 'Aus', 'Pak', 'Aus', 'Aus', 'SL', 'NZ', 'Aus'],

    'Team-2': ['Aus', 'Eng', 'WI', 'Eng', 'Eng', 'SL', 'Aus', 'Ind', 'SL', 'Ind', 'Aus', 'SL'],

    'Winner': ['WI', 'WI', 'Ind', 'Aus', 'Pak', 'SL', 'Aus', 'Aus', 'Aus', 'Ind', 'Aus', 'SL'],

    'Margin': ['17 runs', '92 runs', '43 runs', '7 runs', '22 runs', '7 wickets', '8 wickets', '125 runs', '53 runs', '6 wickets', '7 wickets', '7 wickets']

}

df = pd.DataFrame(data)

# Answering the questions

# 1. Who won the Cricket World Cup in 1975?

winner\_1975 = df[df['Year'] == 1975]['Winner'].iloc[0]

print("1. The winner of the Cricket World Cup in 1975 was:", winner\_1975)

# 2. In which year did Australia win their first Cricket World Cup?

year\_first\_win = df[df['Winner'] == 'Aus']['Year'].iloc[0]

print("2. Australia won their first Cricket World Cup in the year:", year\_first\_win)

# 3. Which team won the World Cup in 2011?

winner\_2011 = df[df['Year'] == 2011]['Winner'].iloc[0]

print("3. The team that won the World Cup in 2011 was:", winner\_2011)

# 4. What was the margin of victory for India in the 2011 World Cup final?

margin\_2011 = df[df['Year'] == 2011]['Margin'].iloc[0]

print("4. The margin of victory for India in the 2011 World Cup final was:", margin\_2011)

# 5. Where was the final match held in the 2007 World Cup?

venue\_2007 = df[df['Year'] == 2007]['Venue for Final'].iloc[0]

print("5. The final match of the 2007 World Cup was held at:", venue\_2007)

# 6. Which team won the World Cup in 1999?

winner\_1999 = df[df['Year'] == 1999]['Winner'].iloc[0]

print("6. The team that won the World Cup in 1999 was:", winner\_1999)

# 7. How many runs did Australia win by in the 2003 World Cup final?

margin\_2003 = df[df['Year'] == 2003]['Margin'].iloc[0]

print("7. Australia won the 2003 World Cup final by a margin of:", margin\_2003)

# 8. Which country hosted the World Cup in 1996?

host\_1996 = df[df['Year'] == 1996]['Host'].iloc[0]

print("8. The World Cup in 1996 was hosted by:", host\_1996)

# 9. Which team won the World Cup in 1987?

winner\_1987 = df[df['Year'] == 1987]['Winner'].iloc[0]

print("9. The team that won the World Cup in 1987 was:", winner\_1987)

# 10. What was the margin of victory for Sri Lanka in the 1996 World Cup final?

margin\_1996 = df[df['Year'] == 1996]['Margin'].iloc[0]

print("10. The margin of victory for Sri Lanka in the 1996 World Cup final was:", margin\_1996)

**OUTPUT**:

1. The winner of the Cricket World Cup in 1975 was: WI

2. Australia won their first Cricket World Cup in the year: 1987

3. The team that won the World Cup in 2011 was: Ind

4. The margin of victory for India in the 2011 World Cup final was: 6 wickets

5. The final match of the 2007 World Cup was held at: Bridgetown

6. The team that won the World Cup in 1999 was: Aus

7. Australia won the 2003 World Cup final by a margin of: 125 runs

8. The World Cup in 1996 was hosted by: India, Pakistan, Sri Lanka

9. The team that won the World Cup in 1987 was: Aus

10. The margin of victory for Sri Lanka in the 1996 World Cup final was: 7 wickets