Olympic Games Analysis

Business Problem:

User – Readers

Goals – determine historical performance in summer Olympic games by country. Highlight exceptional indiviudals

SELECT

[ID]

,[Name] AS 'Competitor Name' -- renamed column

,CASE WHEN SEX = 'M' THEN 'Male' ELSE 'Female' END AS Sex

,[AGE]

,CASE WHEN [Age] < 18 THEN 'Under 18'

WHEN [Age] BETWEEN 18 AND 25 THEN '18-25'

WHEN [Age] BETWEEN 25 AND 30 THEN '25-30'

WHEN [Age] < 30 THEN 'Over 30'

END AS [Age Grouping]

,[Height]

,[Weight]

,[NOC] AS 'Nation Code'

,CHARINDEX(' ', Games)-1 AS 'Example 1'

,CHARINDEX(' ', REVERSE(Games)) -1 AS 'Example 2'

,LEFT(Games, CHARINDEX(' ', Games) -1) AS 'Year'

,RIGHT(Games, CHARINDEX(' ', REVERSE(Games))-1) AS 'Season'

,[Games]

,[Sport]

,[Event]

,CASE WHEN Medal = 'NA' THEN 'Not Registered' ELSE Medal END AS Medal

-- replaced NA with not Registered

FROM athletes\_event\_results

WHERE RIGHT(Games,CHARINDEX(' ', REVERSE(Games))-1) = 'Summer';

-- where clause to isolate summer season