# **Assignment Day 21**

# Task 1:

Using spark-sql, Find:

- 1. What are the total number of gold medal winners every year
- 2. How many silver medals have been won by USA in each sport

## Ans:

Note: Program files are properly documented for a detailed description of each instruction used within the program.

1. What are the total number of gold medal winners every year?

# **ScreenShot**:



2. How many silver medals have been won by USA in each sport?

# **ScreenShot**:



# **Task 2:**

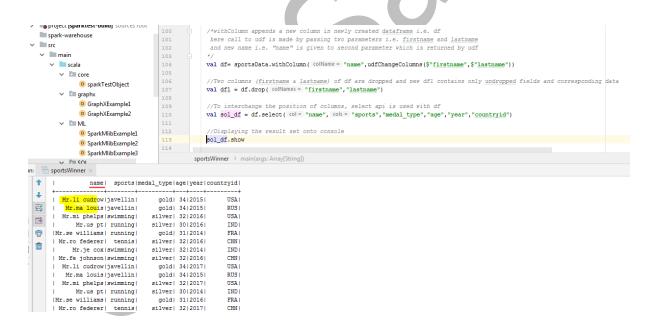
Using UDFS on DataFrame

**1.** Change firstname, lastname columns into Mr.first\_two\_letters\_of\_firstname <space> lastname

## Ans:

Note: Program files are properly documented for a detailed description of each instruction used within the program.

## **ScreenShot:**



2. Add a new column called ranking using UDFs on DataFrame, where: gold medalist, with age >= 32 are ranked as pro gold medalists, with age <= 31 are ranked amateur silver medalist, with age >= 32 are ranked as expert silver medalists, with age <= 31 are ranked rookie

## **ScreenShot:**

