Assignment 7-2

**Creating table and loading data into the table:-**

**hive> create table if not exists athlete\_details**

**( athlete\_name string, age int, country string, year int, closing\_date string, sport string, gold\_medals int,**

**silver\_medals int, bronze\_medals int, total\_medals int)**

**row format delimited fields terminated by '\t';**

**hive> load data local inpath '/home/acadgild/Assignment7-2/olympix\_data.csv' into table athlete\_details;**





**1. Write a Hive program to find the number of medals won by each country in swimming.**

**hive> insert overwrite local directory '/home/acadgild/Assignment7\_2'**

**row format delimited fields terminated by '\t'**

**select country, sum(gold\_medals), sum(silver\_medals), sum(bronze\_medals), sum(total\_medals) from athlete\_details group by country;**



Output file

Afghanistan 0

Algeria 2

Argentina 49

Armenia 0

Australia 163

Austria 36

Azerbaijan 6

Bahamas 11

Bahrain 0

Barbados 0

Belarus 17

Belgium 2

Botswana 0

Brazil 46

Bulgaria 8

Cameroon 20

Canada 168

Chile 3

China 234

Chinese Taipei 2

Colombia 2

Costa Rica 0

Croatia 35

Cuba 57

Cyprus 0

Czech Republic 14

Denmark 46

Dominican Republic 3

Ecuador 0

Egypt 1

Eritrea 0

Estonia 6

Ethiopia 13

Finland 11

France 108

Gabon 0

Georgia 6

Germany 223

Great Britain 124

Greece 12

Grenada 1

Guatemala 0

Hong Kong 0

Hungary 77

Iceland 0

India 1

Indonesia 5

Iran 10

Ireland 1

Israel 1

Italy 86

Jamaica 24

Japan 57

Kazakhstan 13

Kenya 11

Kuwait 0

Kyrgyzstan 0

Latvia 3

Lithuania 5

Macedonia 0

Malaysia 0

Mauritius 0

Mexico 19

Moldova 0

Mongolia 2

Montenegro 0

Morocco 2

Mozambique 1

Netherlands 101

New Zealand 18

Nigeria 6

North Korea 6

Norway 97

Panama 1

Paraguay 0

Poland 20

Portugal 1

Puerto Rico 0

Qatar 0

Romania 57

Russia 234

Saudi Arabia 0

Serbia 1

Serbia and Montenegro 11

Singapore 0

Slovakia 10

Slovenia 5

South Africa 10

South Korea 110

Spain 19

Sri Lanka 0

Sudan 0

Sweden 57

Switzerland 21

Syria 0

Tajikistan 0

Thailand 6

Togo 0

Trinidad and Tobago 1

Tunisia 2

Turkey 9

Uganda 1

Ukraine 31

United Arab Emirates 1

United States 552

Uruguay 0

Uzbekistan 5

Venezuela 1

Vietnam 0

Zimbabwe 2

<https://drive.google.com/file/d/1-u2dlNtAnbXDf2CLZ_5CYho9MhEriREs/view?usp=sharing>

**2**. **Write a Hive program to find the number of medals that India won year wise.**

**Hive> insert overwrite local directory '/home/acadgild/Acadgild/Assignment7\_2'**

**row format delimited fields terminated by '\t'**

**select year, country, sum(gold\_medals), sum(silver\_medals), sum(bronze\_medals), sum(total\_medals) from athlete\_details where country = "India" group by year, country;**



**Output file -**

**2000 India 0 0 1 1**

**2004 India 0 1 0 1**

**2008 India 1 0 2 3**

**2012 India 0 2 4 6**

[**https://drive.google.com/file/d/1IgAe9-BKIDKsYq9TsJKkkOlq5FLVP0nH/view?usp=sharing**](https://drive.google.com/file/d/1IgAe9-BKIDKsYq9TsJKkkOlq5FLVP0nH/view?usp=sharing)

**3**. **Write a Hive Program to find the total number of medals each country won.**

**Hive> insert overwrite local directory '/home/acadgild/Assignment7-2'**

**row format delimited fields terminated by '\t'**

**select country, sum(total\_medals) from athlete\_details group by country;**



**Output file -**

**Afghanistan 2**

**Algeria 8**

**Argentina 141**

**Armenia 10**

**Australia 609**

**Austria 91**

**Azerbaijan 25**

**Bahamas 24**

**Bahrain 1**

**Barbados 1**

**Belarus 97**

**Belgium 18**

**Botswana 1**

**Brazil 221**

**Bulgaria 41**

**Cameroon 20**

**Canada 370**

**Chile 22**

**China 530**

**Chinese Taipei 20**

**Colombia 13**

**Costa Rica 2**

**Croatia 81**

**Cuba 188**

**Cyprus 1**

**Czech Republic 81**

**Denmark 89**

**Dominican Republic 5**

**Ecuador 1**

**Egypt 8**

**Eritrea 1**

**Estonia 18**

**Ethiopia 29**

**Finland 118**

**France 318**

**Gabon 1**

**Georgia 23**

**Germany 629**

**Great Britain 322**

**Greece 59**

**Grenada 1**

**Guatemala 1**

**Hong Kong 3**

**Hungary 145**

**Iceland 15**

**India 11**

**Indonesia 22**

**Iran 24**

**Ireland 9**

**Israel 4**

**Italy 331**

**Jamaica 80**

**Japan 282**

**Kazakhstan 42**

**Kenya 39**

**Kuwait 2**

**Kyrgyzstan 3**

**Latvia 17**

**Lithuania 30**

**Macedonia 1**

**Malaysia 3**

**Mauritius 1**

**Mexico 38**

**Moldova 5**

**Mongolia 10**

**Montenegro 14**

**Morocco 11**

**Mozambique 1**

**Netherlands 318**

**New Zealand 52**

**Nigeria 39**

**North Korea 21**

**Norway 192**

**Panama 1**

**Paraguay 17**

**Poland 80**

**Portugal 9**

**Puerto Rico 2**

**Qatar 3**

**Romania 123**

**Russia 768**

**Saudi Arabia 6**

**Serbia 31**

**Serbia and Montenegro 38**

**Singapore 7**

**Slovakia 35**

**Slovenia 25**

**South Africa 25**

**South Korea 308**

**Spain 205**

**Sri Lanka 1**

**Sudan 1**

**Sweden 181**

**Switzerland 93**

**Syria 1**

**Tajikistan 3**

**Thailand 18**

**Togo 1**

**Trinidad and Tobago 19**

**Tunisia 4**

**Turkey 28**

**Uganda 1**

**Ukraine 143**

**United Arab Emirates 1**

**United States 1312**

**Uruguay 1**

**Uzbekistan 19**

**Venezuela 4**

**Vietnam 2**

**Zimbabwe 7**

<https://drive.google.com/file/d/1ZfhDkv95slNGH3veufuXX0qujb8GXn0R/view?usp=sharing>

**4. Write a Hive program to find the number of gold medals each country won.**

**Hive> insert overwrite local directory '/home/acadgild/Assignment7-2'**

**row format delimited fields terminated by '\t'**

**select country, sum(gold\_medals) from athlete\_details group by country;**



**Output file –**

**Afghanistan 0**

**Algeria 2**

**Argentina 49**

**Armenia 0**

**Australia 163**

**Austria 36**

**Azerbaijan 6**

**Bahamas 11**

**Bahrain 0**

**Barbados 0**

**Belarus 17**

**Belgium 2**

**Botswana 0**

**Brazil 46**

**Bulgaria 8**

**Cameroon 20**

**Canada 168**

**Chile 3**

**China 234**

**Chinese Taipei 2**

**Colombia 2**

**Costa Rica 0**

**Croatia 35**

**Cuba 57**

**Cyprus 0**

**Czech Republic 14**

**Denmark 46**

**Dominican Republic 3**

**Ecuador 0**

**Egypt 1**

**Eritrea 0**

**Estonia 6**

**Ethiopia 13**

**Finland 11**

**France 108**

**Gabon 0**

**Georgia 6**

**Germany 223**

**Great Britain 124**

**Greece 12**

**Grenada 1**

**Guatemala 0**

**Hong Kong 0**

**Hungary 77**

**Iceland 0**

**India 1**

**Indonesia 5**

**Iran 10**

**Ireland 1**

**Israel 1**

**Italy 86**

**Jamaica 24**

**Japan 57**

**Kazakhstan 13**

**Kenya 11**

**Kuwait 0**

**Kyrgyzstan 0**

**Latvia 3**

**Lithuania 5**

**Macedonia 0**

**Malaysia 0**

**Mauritius 0**

**Mexico 19**

**Moldova 0**

**Mongolia 2**

**Montenegro 0**

**Morocco 2**

**Mozambique 1**

**Netherlands 101**

**New Zealand 18**

**Nigeria 6**

**North Korea 6**

**Norway 97**

**Panama 1**

**Paraguay 0**

**Poland 20**

**Portugal 1**

**Puerto Rico 0**

**Qatar 0**

**Romania 57**

**Russia 234**

**Saudi Arabia 0**

**Serbia 1**

**Serbia and Montenegro 11**

**Singapore 0**

**Slovakia 10**

**Slovenia 5**

**South Africa 10**

**South Korea 110**

**Spain 19**

**Sri Lanka 0**

**Sudan 0**

**Sweden 57**

**Switzerland 21**

**Syria 0**

**Tajikistan 0**

**Thailand 6**

**Togo 0**

**Trinidad and Tobago 1**

**Tunisia 2**

**Turkey 9**

**Uganda 1**

**Ukraine 31**

**United Arab Emirates 1**

**United States 552**

**Uruguay 0**

**Uzbekistan 5**

**Venezuela 1**

**Vietnam 0**

**Zimbabwe 2**

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