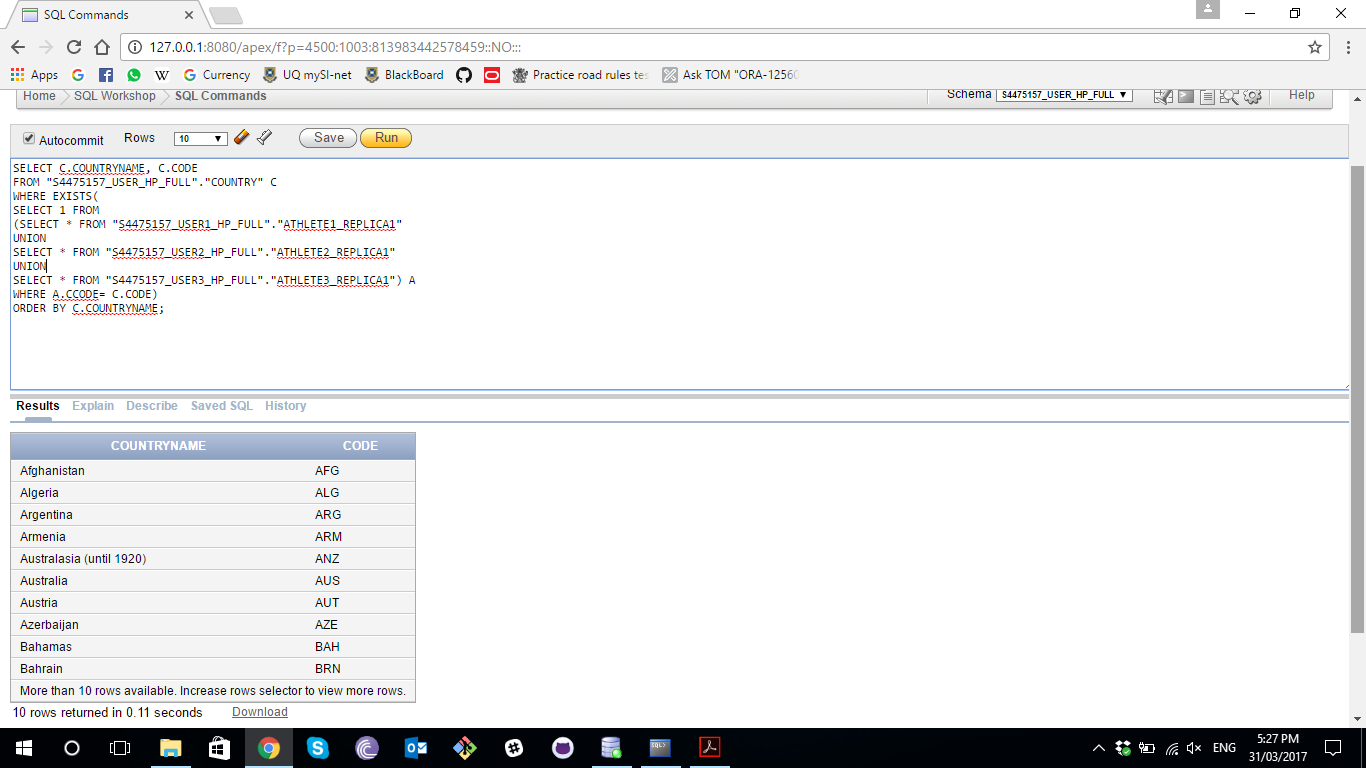
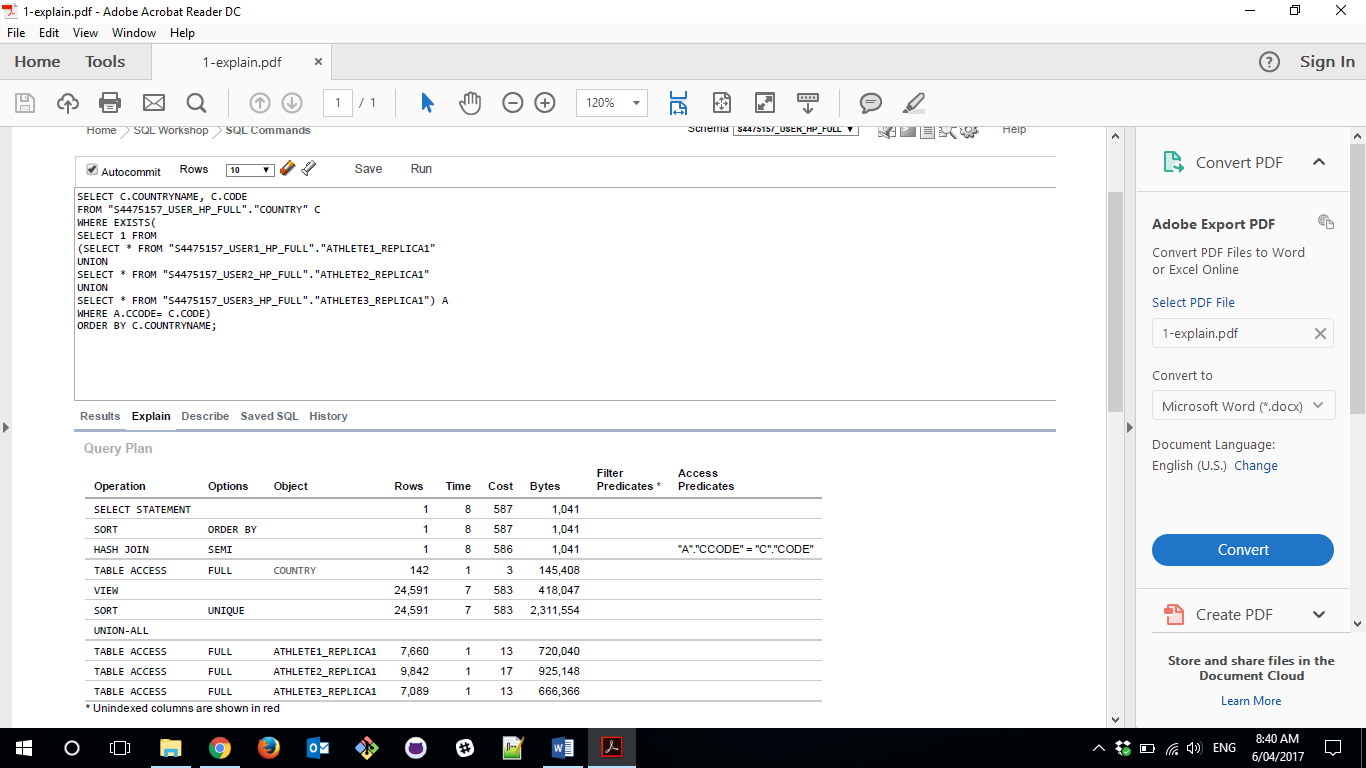
**ADVANCED DATABASE SYSTEMS- PRAC 1**

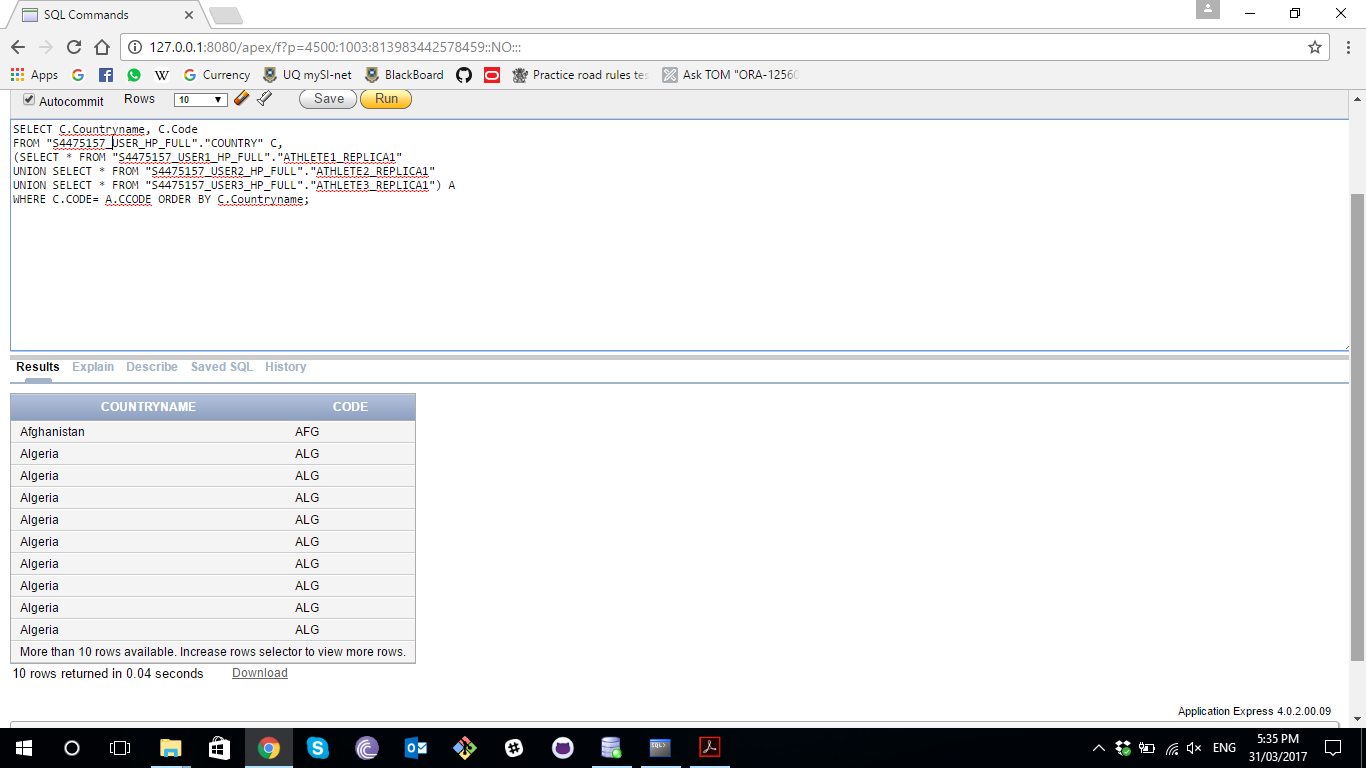
**Task:2**

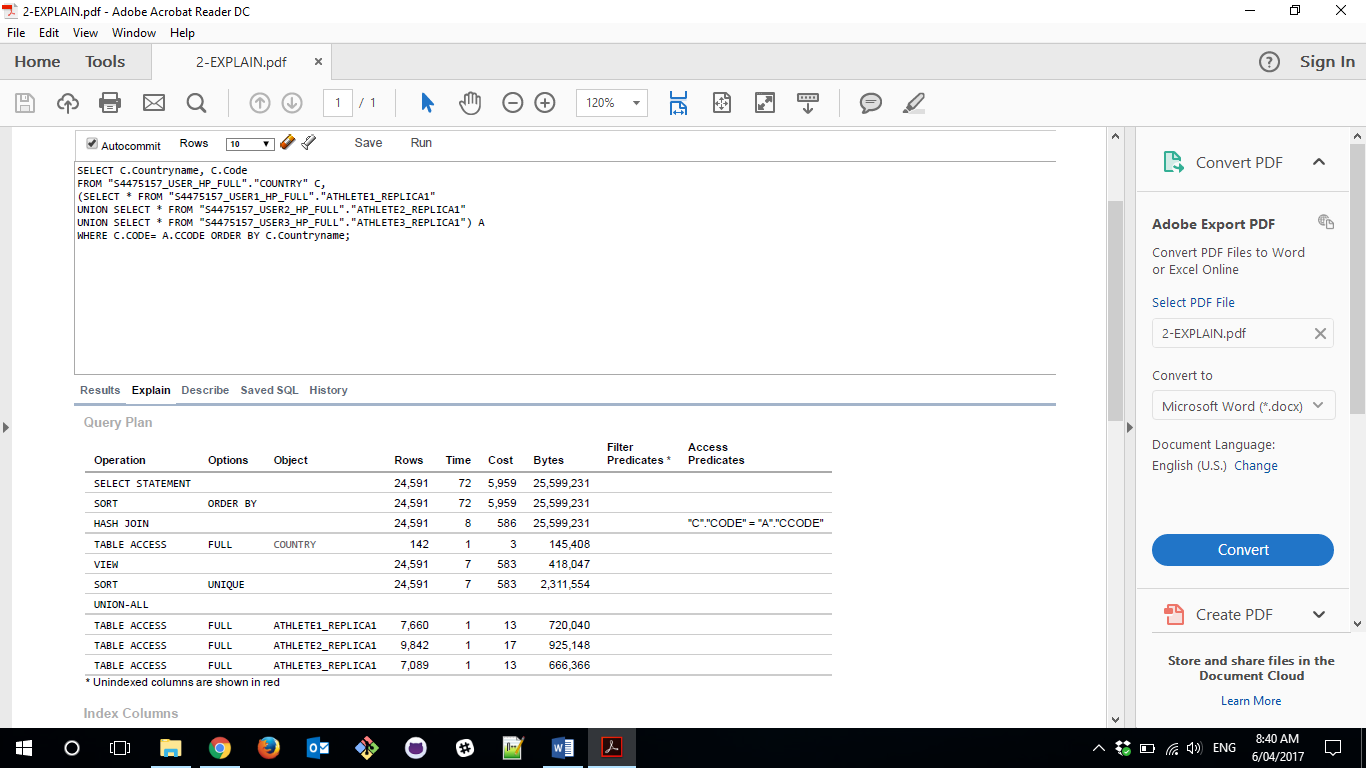
**Semi Join**

****

****

**Inner Join**

****

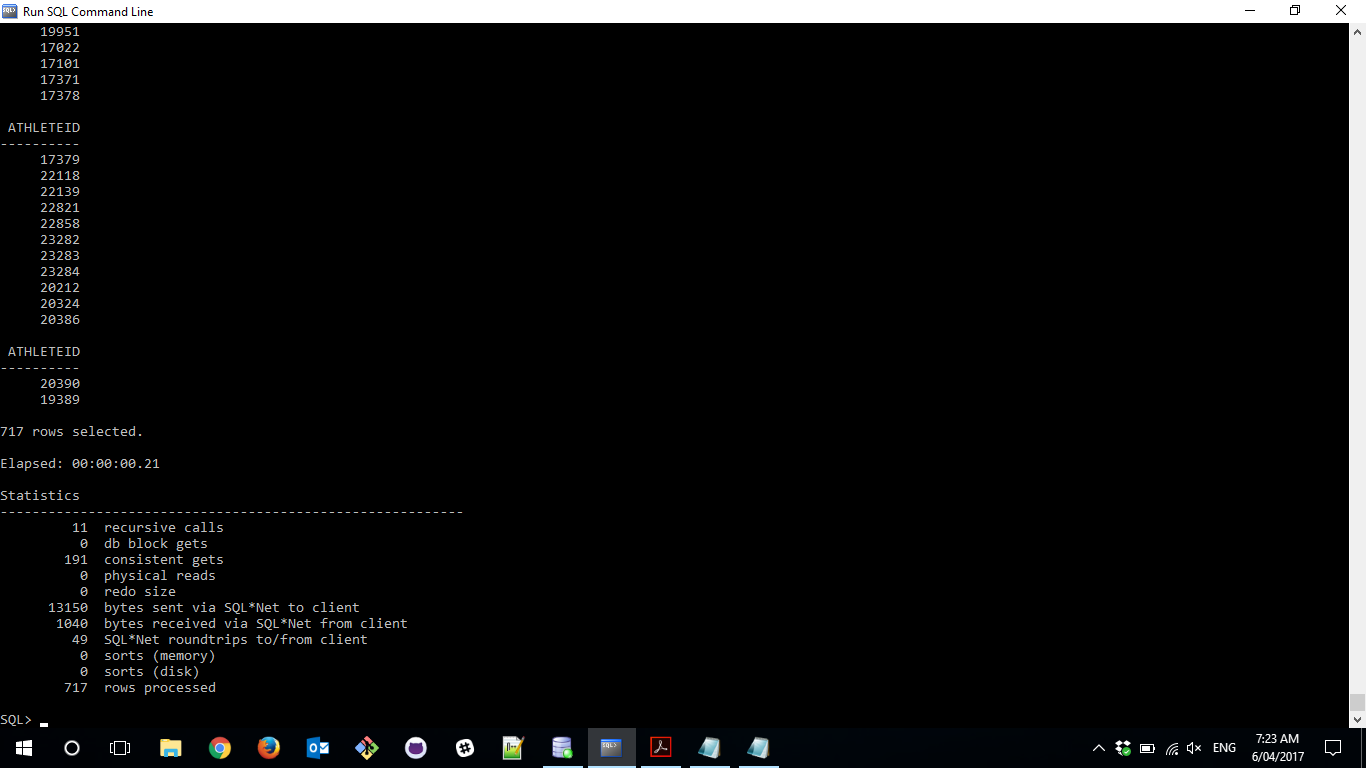
****

**Task:3**

**Step One**

Get all the Athletes whose nationality is Australia from Athlete\_V2

**select** AthleteID **from** "s4475157\_USER2\_VP"**.**"ATHLETE\_V2" **where** CCODE**=**'AUS'**;**

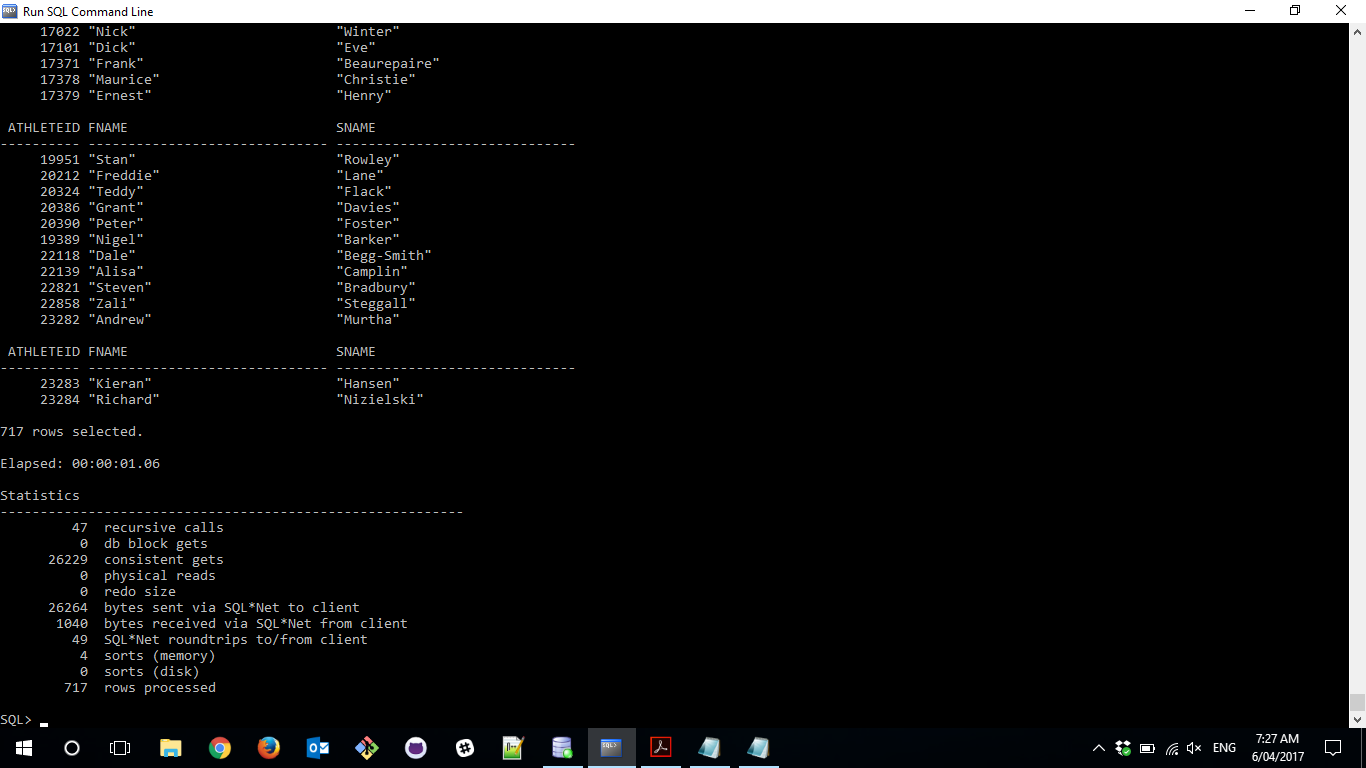
****

**Step Two**

Use the results above to make a query to select all the related data from Athlete\_V1

**select \* from** "S4475157\_USER1\_VP"**.**"ATHLETE\_V1" a **where** a**.**AthleteID **in**

**(select** AthleteID **from** "S4475157\_USER2\_VP"**.**"ATHLETE\_V2" **where** CCODE**=**'AUS'**);**

****

**Step Three**

Get the rest of the athlete details

**SELECT b.AthleteID, b.FName, b.SName, c.BDate, c.CCode, c.SportID**

**FROM** "S4475157\_USER2\_VP"**.**"ATHLETE\_V2" c**,**

**(SELECT \***

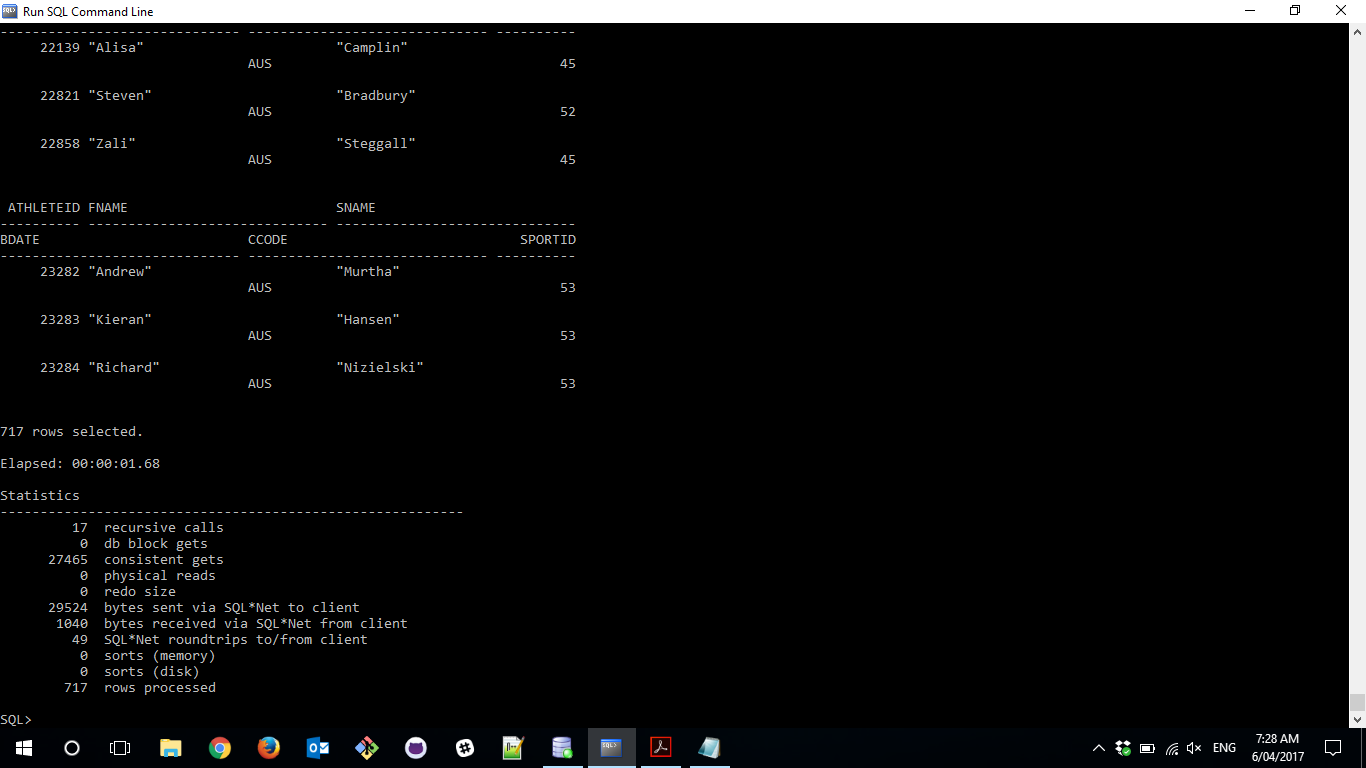
**FROM** "S4475157\_USER1\_VP"**.**"ATHLETE\_V1" a

**WHERE a.AthleteID IN (SELECT AthleteID**

**FROM** "S4475157\_USER2\_VP"**.**"ATHLETE\_V2"

**WHERE CCODE = 'AUS')) b**

**WHERE b.AthleteID = c.AthleteID;**

****

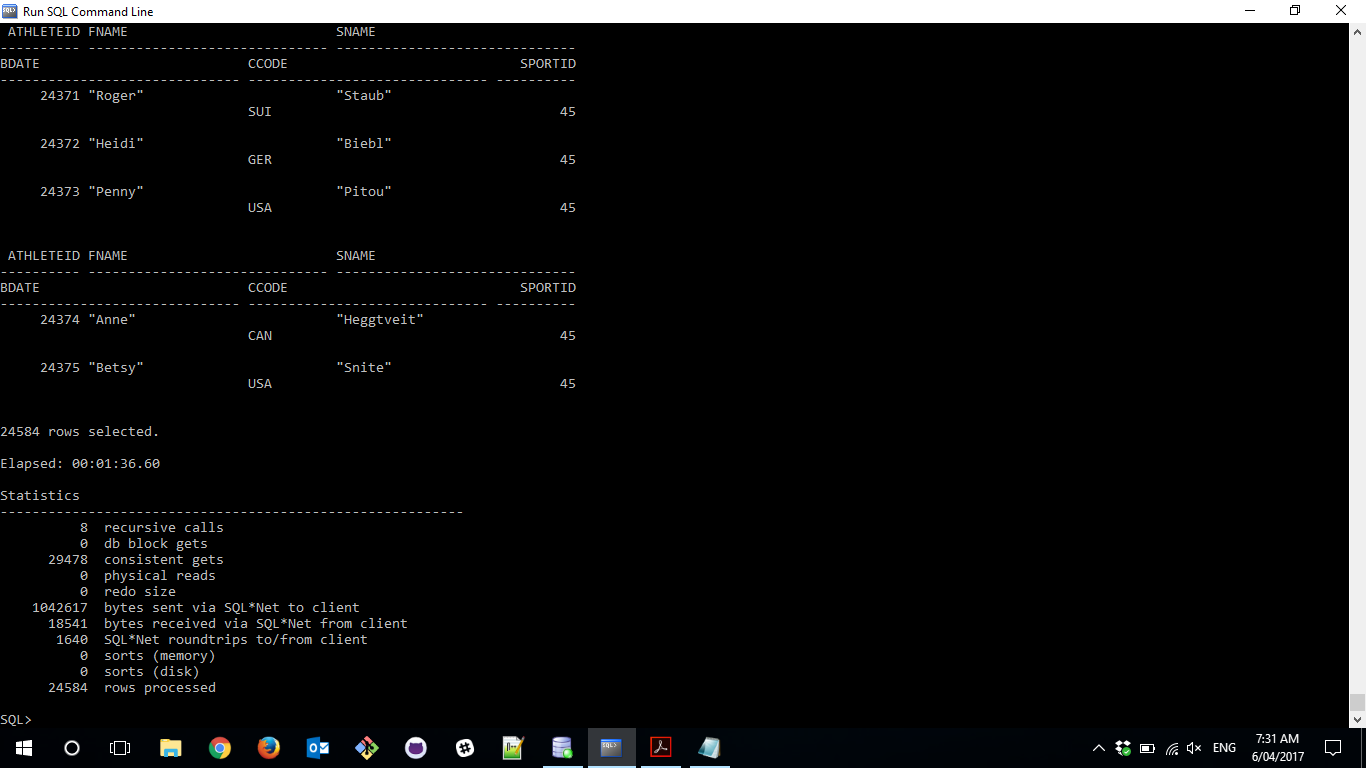
**Step Four**

**Compare with a traditional inner-join query**

**select b.AthleteID, b.FName, b.SName, c.BDate, c.CCode, c.SportID**

**from**"S4475157\_USER1\_VP"**.**"ATHLETE\_V1"b, "S4475157\_USER2\_VP"**.**"ATHLETE\_V2" c

**where b.AthleteID= c.AthleteID;**

****