ENSF 609 - Assignment 4	Steven Duang
J	(30022492)
PART 1:	
Single Expression:	
Tolympicio, Birth Year ((OZE. Location = 'Dream Island Arche AND < I. Medal != NULL?	ry Field'>(EVENT_SCHEDULE
M INDIVIDUAL_RESULTS) M ATHLET	E)
E. Event 10 = I. Event 10 I. Olypian = A. Olympic 11	0
Query Tree:	
To orympic 10, Birthyear	
(3)	
\square	
I.olypian = A.olympic10	
(2)	
7	HLETE
E. Event 10 = I, Event 10	
(1)	INDIVOUAL-RESULTS
Ore. Location = 'Dream Island Archery Field'>	
(E) ENENT-SCHEDULE	

Part 2	<u> </u>
1) (.o	ACHES - COACH M PARTICIPANT
1,	COACH, Olympic 10 = PARTICIPANT, Olympic 10
R	ESULT - COACHES M COUNTRY
	COACHES. Country = COUNTRY CName
Τ	TEName, LName, Country, AllTimeGold, AllTimeSilver, AllTimeBronge (RESULT)
	$AEDALS \leftarrow O(AntimeGold + AntimeSilver + AntimeBronze) >= 3 (COUNTRY)$
	TT CNAME (MEDALS)
3) (COACHES - COACH M PARTICIPANT
3) L	COACH, Olympicio = PARTICIPANT, Olympicio
	concil, or grapher to a vacator passing a significant
1	T(CNAME, COUNT(Olympic10)) (COACHES)
	<u> </u>
4) /	ATHLETES - ATHLETE M PARTICIPANT
	ATHLETE. Glympic10 = PARTICIPANT. Olympic10
Т	Tolympicio, FName, LName, Birthyear (ATHLETES)
5) A	ATHLETES ← ATHLETE M PARTICIPANT
<u> </u>	ATHLETE. OlympicID = PARTICIPANT. ClympicID
	MFName, LName (ATHLETES)
6) A	ATHLETE_IR ATHLETE M INDIVIOUAL_RESULTS
,	ATHLETE. Olympic 10 = INDIVIDUAL - RESULTS. Olympian
В	PLONZE_MEDALIST ← O< Medal = 'Bronze'> (ATHLETE_IR)
7	T (Phanas Menulet)
	Trirst Games (BRONZE_MEDALIST)

7) TEAM_DATA ← ATHLETE ⋈ PARTICIPANT ⋈ TEAM
TEAMS - OCATHLETE. Glympic 10 = PARTICIPANT. Olympic 10 > (TEAM_DATA) AND < ATHLETE. First Game = 'Tokyo 2020' >
TT Team 10 (TEAMS)
8) ATHLETES - PARTICIPANT M ATHLETE PARTICIPANT. Olympic 10 = ATHLETE. Clympic 10
MEMBERS - ATHLETES M COACH
ATHLETES. Olympic ID = COACH, Olympic ID
RESULT L OCCOUNT (ATHLETE, Olympic 10) > 2 > (MEMBERS) AND L COUNT (COACH, Olympic 10) > 1 >
TT CNAME (RESULT (COUNTRY))
9) COACHES ← COACH ⋈ PARTICIPANT COACH. OlympicID = PARTICIPANT. OlympicID
RESULT ← Ocorientation= 'Pending' > (COACHES)
TT Frame, LName, Country (RESULT)
10) PARTICIPANT_IR ← PARTICIPANT ⋈ INDIVIDUAL_RESULTS. Olympian
NOT_GOLD - Ocmedal != 'Gold' > (PARTICIPANT_IR)
TT country (NOT_GOLD) //