

Assignment #1 – COMP 2500

Question 1

Draw an UML diagram to denote the following facts. Use classes and attributes as appropriate.

- A Doctor has a licenceNo and attends a medical school.
- A Tennis Player has a ranking and number of tournaments won
- Both the Doctor and Tennis Player are People (Person)
- A Person has a name, age and weight

Implement the system of classes from your UML diagram and create a Java program which creates objects with the data given in Table 1. In addition, the program should print the information as shown in Figure 1.

Table 1: Data

Data			
Name	Age	Weight	Occupation
Betty Best	40	160	Doctor
Andrew Davis	23	170	Tennis Player
Anthony Smith	36	190	Doctor

Name	Ranking	Won
Andrew Davis	41	13

Name	LicenceNo	Medical School
Betty Best	30034	UWI_MONA
Anthony Smith	10892	UWI_SA

Output of Program

Doctors

Name	Age	Weight	LicenceNo	Medical School
Betty Best	40	160	30034	UWI_MONA
Anthony Smith	36	190	10892	UWI_SA

Tennis Players

Name	Age	Weight	Ranking	Tournaments Won
Andrew Davis	23	170	41	13

Figure 1

Note: do some research of the format function so that you output would be aligned properly.