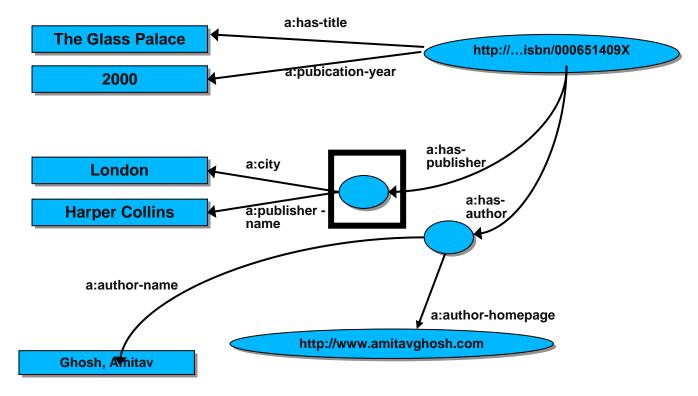
Cairo University Faculty of Computers & Artificial Intelligence Semantic web and ontology		Mid-term Exam Fall 2021 CS465		
Student Name:				
Student ID:				
Marks				
Q1	<i>Q</i> 2	Total(10)		
Question 1[6 marks] A) State True/False (Correct the answer in case of false, Explain)[2Marks]				
[1] The first step to develop an ontology is to identify the main terms of a domain (self_standing_entities)				
[2] Namespaces are used in RDF statement as reference to ontology where subjects are defined				
[3] An instance of a superclass is also an instance of its subclasses.				
[4] RDF statement is represented using graph only				

B) Consider the following ontology that describes book entity and answer the following questions: [4 Marks]



- 1. Identify the main classes of this ontology
- 2. For each of the identified classes, complete the following table:

	Class name1	Class name2	Class name3
Data manantri			
Data property			
Object managety			
Object property			
Domain			
Danga			
Range			

- 3) What are the usage of empty ovel inside the black square
- 4) Give example of Cardinality of any property

Question 2[4 marks]

Consider the following RDF code and answer the following questions:

1. Construct the RDF graph of this code?

- 2. What are the namespaces used in this example
- 3. Show that if this graph could contain a blank node, please explain your answer

4. Extract the main predicts of this code?

مع أطيب تمنياتي بدوام التوفيق والنجاح أ.د/ عبير القرنى