

Question Two:

The following paragraphs are translated to each other in Arabic and English, read and answer the questions below.

من اكثر الامراض اصابة لمحصول الذرة في مصر هي نقص الزنك وصدأ الساق والبياض الزغبي. وتكون اعراض نقص الفوسفات هي اصفرار الاوراق ونحافة الساق بالاضافة الى موت السنابل اما بالنسبة لمرض صدا الساق فتكون الاوراق ذابلة والساق حمراء والسنابل فارغة من الحبوب و بالنسبة لمرض البياض الزغبي فيكسو اللون الابيض كل النبات (الورق والساق والسنابل).

The most diseases that infect Corn crop in Egypt are the Zinc deficiency, Stem Rust and Downy Mildew. The "Zinc deficiency" symptoms are yellowing of leaves and Thinness of the stem in addition to the death of spikes. As for "Stem Rust" disease, the leaves will be wilted, stem turn red and the spikes become empty of grains. As well for the "Downy Mildew" disease the white color will cover the whole plant (leaves, stem, and spike)

- Extract the knowledge from the previous paragraph in concepts, property, and value formats. (See the table 1, 2).
- Extract the source of value for each property and if its type is either single or multiple.
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Concept	Property	Values	S.O.V	s/m

Table 1

<u>disoder</u>	<u>name</u>	Zinc deficiency		
		Stem Rust		
		Downy Mildew		
<u>leaf</u>	<u>color</u>	yellow		
<u>stem</u>	<u>Shap</u>	Thinness		
<u>spike</u>	<u>status</u>	death		

Rhs				Lhs		
Concept	Property	Operators	value	Concept	property	value

Table 2

<u>leaf</u>	<u>color</u>	yellow	<u>disoder</u>	<u>name</u>	Zinc deficiency
<u>stem</u>	<u>Shap</u>	Thinness			
<u>spike</u>	<u>status</u>	death			

Question One:

Implement “fromliststring” function discussed in “Resoning” Task, Your Function should display disorder name in the disorder list according to the appendedTuples the user added in the working memory.

Question Two:

The following paragraphs are translated to each other in Arabic and English, read and answer the questions below.

من اكثر الامراض اصابة لمحصول الارز في مصر هي نقص الفوسفات وصدا الساق والبياض الزغبي. وتكون اعراض نقص الفوسفات هي اصفرار الاوراق ونحافة الساق بالاضافة الى موت السنابل اما بالنسبة لمرض صدا الساق فتكون الاوراق ذابلة والساق حمراء والسنابل فارغة من الحبوب و بالنسبة لمرض البياض الزغبي فيكسو اللون الابيض كل النبات (الورق والساق والسنابل).

The most diseases that infect rice crop in Egypt are the Phosphorus deficiency, Stem Rust and Downy Mildew. The “Phosphorus deficiency” symptoms are yellowing of leaves and Thinness of the stem in addition to the death of spikes. As for "Stem Rust" disease, the leaves will be wilted, stem turn red and the spikes become empty of grains. As well for the "Downy Mildew" disease the white color will cover the whole plant (leaves, stem, and spike)

- iv. Extract the knowledge from the previous paragraph in concepts, property, and value formats. (See the table 1, 2).
- v. Extract the source of value for each property and if its type is either single or multiple.

Concept	Property	Values	S.O.V	s/m

Table 1

Rhs				Lhs		
Concept	Property	Operators	value	Concept	property	value

Table 2

Question One:

Implement "formload" function discussed in "Resoning" Task, Your Function should load the XML file which is working into memory and display concept list, Then Implement two functions that display probrerty and value lists .

Question Two:

The following paragraphs are translated to each other in Arabic and English, read and answer the questions below.

من اكثر الامراض اصابة لمحصول القمح في مصر هي نقص النتروجين وصدأ الاوراق والبياض الدقيقى. وتكون اعراض نقص النتروجين هي اصفرار الاوراق ونحافة الساق بالاضافة الى موت السنابل اما بالنسبة لمرض صدا الاوراق فتكون الاوراق ذابلة والساق حمراء والسنابل فارغة من الحبوب و بالنسبة لمرض البياض الدقيقى فيكسو اللون الابيض كل النبات (الورق والساق والسنابل).
 The most diseases that infect wheat crop in Egypt are the nitrogen deficiency, leaf rust and powdery mildew. The "nitrogen deficiency" symptoms are yellowing of leaves and Thinness of the stem in addition to the death of spikes. As for "leaf rust" disease, the leaves will be wilted, stem turn red and the spikes become empty of grains. As well for the "powdery mildew" disease the white color will cover the whole plant (leaves, stem, and spike)

- I. Extract the knowledge from the previous paragraph in concepts, property, and value formats. (See the table 1, 2).
- II. Extract the source of value for each property and if its type is either single or multiple.

Concept	Property	Values	S.O.V	s/m

Table 1

Rhs				Lhs		
Concept	Property	Operators	value	Concept	property	value

Table 2