Web Semantic Interview Questions And Answers Guide.

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Web Semantic Job Interview Preparation Guide.

Question # 1

What the Semantic Web is?

Answer:-

The Semantic Web is a vision, that hopes to join together dispersed bits of data on the internet, very much like web pages are currently joined (linked) together. As with the current web of pages, anyone can create data on the Semantic Web, and anyone can â€œjoinâ€• one bit of data to another.

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Question # 2

What is URI - Uniform Resource Identifier?

Answer:-

A URI is simply a Web identifier: like the strings starting with "http:" or "ftp:" that you often find on the World Wide Web. Anyone can create a URI, and the ownership of them is clearly delegated, so they form an ideal base technology with which to build a global Web on top of. In fact, the World Wide Web is such a thing: anything that has a URI is considered to be "on the Web".

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Question # 3

What is Inference?

Answer:-

The principle of "inference" is quite a simple one: being able to derive new data from data that you already know. In a mathematical sense, querying is a form of inference (being able to infer some search results from a mass of data, for example). Inference is one of the driving principles of the Semantic Web, because it will allow us to create SW applications quite easily.

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Question # 4

What is the Power Of Semantic Web Languages?

Answer:-

The main power of Semantic Web languages is that any one can create one, simply by publishing some RDF that describes a set of URIs, what they do, and how they should be used. We have already seen that RDF Schema and DAML are very powerful langauges for creating languages. Because we use URIs for each of the terms in our languages, we can publish the languages easily without fear that they might get misinterpreted or stolen, and with the knowledge that anyone in the world that has a generic RDF processor can use them.

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Question # 5

So what is a â€œSemantic Web friendly formatâ€•, as you put it?

Answer:-

This is where it gets a bit trickyâ€¦ There are a number of â€œformatsâ€• suitable for the Semantic Web, the most popular of which is RDF/XML. It doesn't really matter that there are other formats also in use; nearly all of them are based on the same â€˜data model' (RDF), so they can be easily combined and made interoperable.

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Question # 6

What is the Principle Of Least Power?

Answer:-

The Semantic Web works on a principle of least power: the less rules, the better. This means that the Semantic Web is essentially very unconstraining in what it lets one say, and hence it follows that anyone can say anything about anything. When you look at what the Semantic Web is trying to do, it becomes very obvious why this level of power is necessary... if we started constraining people, they wouldn't be able to build a full range of applications, and the Semantic Web would therefore become useless to some people.

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