

CS-101 - Virtual University CS-301 Short Question Preparation

Q1. What is Structured Vector Graphics ?

Ans 1: This is a plug-in that is required to view swf (flash) files in the web browser

Q2. What is a Relational Database? Give the names of any three RDBMS software.

Ans 1: Database architecture consists of three levels, external, conceptual and internal. Clearly separating the three levels was a major feature of the relational database. NAMES: Oracle Database software, Linux, and oracle e business database software , and Oracle OLAP.

Q3. Why Local variable is preferred over Global variable ?

Ans 1: Global variable has some advantage with Local variables is preferred due to the following reasons:- When we declare any global variable in web page then in case of error and logic it's very difficult to see on which line this variable is used and what's his value if we have more than 2000 lines and all the functions in web page using that Global Variable so Global variables can make the logic of a Web page difficult to understand. As we know we can use Global variable everywhere so Global variables also make the reuse and maintenance of your code much more complex

Q4. Define semantic web with respect to the present web?

Ans 1: The Semantic Web is an idea of World Wide Web inventor Tim Berners-Lee that the Web as a whole can be made more intelligent and perhaps even intuitive about how to serve a user's needs.

Q5. Why hub is used in networks?

Ans 1: The network traffic controller – components of convectional computer networks. Hub is used to connect the different computers in the network i.e. to the server.

Q6. Elaborate Vector or Object oriented graphics with atleast one example.

Ans 1: Treats everything that is drawn an object. Objects retain their identity after their drawn. These objects can later be easily moved stretched duplicated deleted etc are resolution independent relatively small size. e. g. swf, wmf,

Q7. Differentiate between LAN and WAN with one example of each.

Ans 1: LAN is a local area network where as wan is a wide area network LAN can be used in a specific areas with limited computers where as wan can be used on computers shared by large distances For example LAN can be used on pc s or an organization located in one building but wan can be used on large scales like banks all over or in any Large communication systems

Q8. What is the Data Normalization? Also define its goal.

Ans 1: Data normalization is to sort out complex data into simple form. It uses to simplify the complex information to make it more user-friendly.

Q9. What is bandwidth?

Ans 1: Bandwidth is a capacity of communication channel of carrying data

Q10. What are the Sub categories of Artificial Intelligence? Briefly explain any two.

Ans 1: 1. Robotics

These are the machines which are computer programmed and perform work which was previously done by humans. They can be found in the manufacturing industry, the military, space exploration and medical applications. 2. Expert Systems These systems are designed to replace an expert. The medical expert system is an example of such system which can replace a Doctor/medical expert
