

CS-101 - Virtual University CS-302 Short Question Preparation

Q1. 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

Q2. What is the problem with Relational Database and what solution you can suggest for it?

Ans 1: when we use to store object oriented data into a Relational database it need to be translated in form which is suitable for the relational database.

Again when we need to read RDBMs the Data need again back to be translated into object oriented form to read.

This two process delay associated processing and time spent in writing and maintaining the translation codes are the key disadvantage with Relational Database

Solution.

Object oriented database

Object Relational database

The data should be divided and save in multiple table and tabular form ,so that open ,searching ,sorting ,editing and saving of data can be performed quickly. With tabular form one can sort w.r

Q3. What does NIC stand for?

Ans 1: Network Interface Cards.

Q4.

Write a short note on:

Good programming methodology?

Correct program

Ans 1: Good programming methodology

A methodology that enables the lowest-cost and on-schedule development of programs that are correct, easy to maintain & enhance

Ans 2: Correct program

A program with correct syntax & semantics.

Q5. Four steps for planning your website structure

Ans 1: 1. Discover the correct niche for your website

2. Find correct keywords and choose the most profitable website concept for you.

3. Make your final website concept ever more profitable by analyzing and using the competition.

4. Build the optimal structure of your website that corresponds with your table of highly profitable keywords

Q6. What is ARPANET and who developed it?

Ans 1: ARPANET stands for Advanced Research Projects. The initial purpose was to communicate with and share computer resources among mainly scientific users at the connected institutions. In the beginning it was connected four universities and enabled scientists to share resources. It was headed by Dr. J.C.R. Licklider.

Q7. What is bandwidth?

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

Q8. What is the difference between Internet and Intranet?

Ans 1: The Internet is an open, public space, while an intranet is designed to be a private space. An intranet may be accessible from the Internet, but as a rule it's protected by a password and accessible only to employees or other authorized users

Q9. 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.

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
