

CS-101 - Virtual University CS-610 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 best algorithm?

Ans 1: Greedy algorithm is the best algorithm as it is n algorithm that always takes the best immediate, or local solution while finding an answer.

Q3. What does NIC stand for?

Ans 1: Network Interface Cards.

Q4. Explain function arguments with the help of an example?

Ans 1: A named group of statements that is put together once and then used (by reference) repeatedly on a Web page Code becomes easier to read, understand and maintain

Q5. How can we define a Pixel?

Ans 1: It is the smallest element of image which is spread with regular array on display and each element consist of particular color.

Q6. What is a function? Give one example.

Ans 1: Function is a reusable code (group of statement) that is executed when the function is called. It is also known as subprogram. Function is normally defined in the head section of the code.

Q7. What is a packet in the network environment? What kind of information does it contain?

Ans 1: • Packet is data chopped up into pieces in a network environment.

- These packets contain information about which computer sent the data and where the data is going.
- If a packet runs into a problem during its trip, it can attempt to find another route. When all the packets get where they are going, the recipient computer puts them together again.

Q8. What was the obstacle to the construction of analytical engine?

Ans 1: Charles Babbage had huge difficulties raising money to fund his research. As a last resort, he designed a clever mathematical scheme along with Ada, the Countess of Lovelace. It was designed to increase their odds while gambling. They bet money on horse races to raise enough money to support their research experiments Guess what happened at the end? The lost every penny that they had.

Q9. 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.

Q10. What is difference between Design and System Architecture?

Ans 1: Only the higher level designs are called System Architecture and lower level designs can not be called system Architecture, and we can also say the every Architecture can be called design but every design can not be called Architecture.