

CS-101 - Virtual University MTH-501 Short Question Preparation

Q1. Why do we call JavaScript an Object-based Language?

Ans 1: Java Script is a language by which we are writing our web-pages, this language is designed to work for web pages

Q2. 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

Q3. Why there is a need to use primary key in database ?

Ans 1: Primary Key is a field that uniquely identifies each record stored in a table.

Q4. Why should we, as computing professionals, be interested in studying the social implications of our creations?

Ans 1: This is imp. Because of keeping the track of money wise while implementation actually and see the results. This fits with the organization or no. to check there is any side effects morally or no. we have to be very careful while creation of any system., error free, data loose recovery. Etc.

Q5. 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.

Q6. Suppose we have a big project. Draw hierarchy of the people involved in the project?

Ans 1: Please ignore small lines relating Sub Teams to subordinates due to shortage of time. ABCD etc are connected directly to Team Lead 1,2 & 3 accordingly.

Q7. What is heuristic?

Ans 1: Common sense Lesson drawn from experience
(Artificial) Intelligent Systems SW programs or SW/HW systems designed to perform complex tasks employing strategies that mimic some aspect of human thought

or

- a commonsense rule (or set of rules) intended to increase the probability of solving some problem • of or relating to or using a general formulation that serves to guide investigation

Q8. What is an Array?

Ans 1: An indexed list of elements

Q9. 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.

Q10. 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
