CS-101 - Virtual University CS-403 Short Question Preparation

Q1. What is animated gif? How can we use it? If we animate images in JavaScript then is it better?

Ans 1: It is bit mape image format introduced in 1987by compuserve.It support up to 8 bits per pixel.It also support animation And allow a separate palette of 256 colors for each frame. Uses: We can use it in web site they are suitable for sharp edged line art with limited number of colors. They are good for small animation and low resolution clips. The size is small and on web site they can uploaded and downloaded easily

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Q2. What is an Array?

Ans 1: An indexed list of elements

Q3. 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.

Q4. 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

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Q5. 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.

Q6. 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

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Q7. What is an intelligent system?

Ans 1: Intelligent systems are the programs developed to perform complicated jobs that reflect human brain and thoughts. If the algorithms are too much complex or can not be solved instantly then we can use such systems. Therefore the well intelligent system not only performs well but it has the capability to rectify any errors by himself if it occurs within his domain. The examples of intelligent systems are Robotics, Business Intelligence …etc.

Q8.
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.

Q9. Define professional ethics and its benefits with an example?

Ans 1:
Professional Ethics
• Professional ethics are a category of ethics, and here we discus the professional ethics relevant to computing • Awareness of professional ethics is gaining importance with time as the decisionmaking process in the work place keeps on increasing in complexity • The professional ethics provide a way of simplifying that decision making process Let us now discuss a few situations where I will request you for your ethical opinions

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Q10. What is the difference between microprocessors and microcontrollers? Give one example of both

Ans 1: The microprocessor is electronic equipment which can perform several function and also processing of data and information present in a computer, while microcontroller can only perform one function for that its design Example Microprocessors _ Pentium 4 Microcontroller _ can be a switch in side the washing machine

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