

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

Q1. Define professional ethics and its benefits with an example?

Ans 1:

Professional Ethics

- Professional ethics are a category of ethics, and here we discuss 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

Q2. What is Structured Vector Graphics ?

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

Q3. Elaborate Rester Graphics with examples.

Ans 1: Raster graphics are digital images created or captured (for example, by scanning in a photo) as a set of samples of a given space . A raster file is usually larger than a vector graphics image file. A raster file is usually difficult to modify without loss of information. Examples of raster image file types are: BMP, TIFF, GIF, and JPEG files.

Q4. 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

Q5. What are the important properties, methods and event handlers of image object?

Ans 1: The primary use of the image object is to download an image into the cache before it is needed to display , image object can be used to create different kinds of animations or to display one of several images based on the desired requirement , in java script image object can be used to display the required pre loaded image

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. Why hub is used in networks?

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

Q8. 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.

Q9. 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.

Q10. What is an Array?

Ans 1: An indexed list of elements
