

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

Q1. 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

Q2. 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.

Q3. What is meant by semantic error ?

**Ans 1:** It is an error which a developer encounters when a statement is executed but it was not intended by him (the developer). Such errors are very difficult to locate during testing. Mostly these occur during abnormal circumstances. It may be referred as the logical error.

Q4. Elaborate Vector or Object oriented graphics with atleast one example.

**Ans 1:** Treats everything that is drawn an object. Objects retain their identity after their drawn. These objects can later be easily moved stretched duplicated deleted etc are resolution independent relatively small size. e. g. swf, wmf,

Q5. 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

Q6. Write a JavaScript program having two functions sum and mean.

**Ans 1:** The web page will ask the user to enter five values to be added. After taking input it will calculate the sum and mean of those values by calling sum and mean functions.

Q7. 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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Q8. What kind of new jobs are created because of computing? And which old professions are being eliminated?

**Ans 1:** Due to computing where people are getting benefits from automated systems on the other hand the people that are with KHATA system or Manual system and they don't know about computers are eliminated due to this reason and people take place of many people. We can see in the offices where before computer if there are four person required now only one person is required for example with the help of database we can store more than thousand of information and only one person is managing the whole data that is DBA. In the old system many people are writing the data in registers and then its also very difficult to find the specific record

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Q9. 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.

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Q10. Define the term 3D Rendering

**Ans 1:** The process of converting information about 3-D objects into a bit-map that can be displayed on a 2-D computer display

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