

## CS-101 - Virtual University CS-302 Short Question Preparation

Q1. What is the database?

**Ans 1:** Data base is a collection of organized data in a proper way that computer can quickly search for any desired data item, its an easy way of allowing of manipulation of data, they are design in such a way that access to any desired data can be identified and reached quickly and easy, they are generally consist of collection of interrelated files.

Q2. 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

Q3. In JavaScript, what is event handling? What are the two types of events?

**Ans 1:** Event handling means capturing an event and responding to that. Events e.g. on Mouse Over, On Click, on Load, On unload, updating the clock etc. are captured by the Java script & according to the programs they are responded accordingly

Q4. Write names of the DoS attack's phases?

**Ans 1:** DoS (Denail of service): DoS attach has in total 3 phases and below they are listed: 1. Search 2. Arm 3. Attack

Q5. Differentiate Local and Global Variables.

**Ans 1:** Local variables are the variables have limited scope while global have bigger scope Local variables are not accessed by others while global is accessible to every one Local variable used by single user while global variable can be used by different users at time from all around.

Q6. Differentiate between For and While loop by writing the syntax of both loops.

**Ans 1:** When the exact number of iterations is known, use the 'for' loop When the number of iterations depend upon a condition being met, use the 'while' loop 'for' loops become especially useful when used in conjunction with arrays We'll find out about arrays today, and we'll probe their usefulness as part of 'for' loop structures

Q7. What is a Relational Database? Give the names of any three RDBMS software.

**Ans 1:** Database architecture consists of three levels, external, conceptual and internal. Clearly separating the three levels was a major feature of the relational database. NAMES: Oracle Database software, Linux, and oracle e business database software , and Oracle OLAP.

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Q8. 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.

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Q9. How DoS attack is a cyber crime? For what cyber crime can be used?

**Ans 1:** DoS stands for Decline of Service and it is a cyber crime as it jams and in some cases shut down the targeted computer by sending too much unnecessary data packets to it which ultimately exceeds the normal processing eventually results the computer or server to stuck and unable to provide services to others. It can be used to destroy the fame and diminishing of no of users requesting information and services from that particular server or computer.

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Q10. 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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