

## CS-101 - Virtual University CS-301 Short Question Preparation

Q1. Write down the advantages of Natural Language Processing.

**Ans 1:** It is able to read what you write, comparing it to a stored database of texts. It then corrects your errors and suggests alternatives. What advantages can this give you? Here are some: 1. You Don't Have to Worry About Careless Mistakes and Typos 2. Your Grammar and Punctuation Errors are Fixed 3. Allows You To Get More Accomplished 4. Gives You A Better Vocabulary 5. Instantly Upgrades Your Communication Skills

Q2. 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.

Q3. In programming, what is a loop?

**Ans 1:** In computer science a for loop is a programming language statement which allows code to be repeatedly executed. A for loop is classified as an iteration statement.

Q4. 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.

Q5. Briefly mention any three problems in old modes of presentation development

**Ans 1:** Lack of resolution  
Low color configuration  
No graphic animation

Q6. What is ARPANET and who developed it?

**Ans 1:** ARPANET stands for Advanced Research Projects. The initial purpose was to communicate with and share computer resources among mainly scientific users at the connected institutions. In the beginning it was connected four universities and enabled scientists to share resources. It was headed by Dr. J.C.R. Licklider.

Q7. What is an IP address ?

**Ans 1:** Every device connected to the public Internet is assigned a unique number known as an Internet Protocol (IP) address.

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Q8. 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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Q9. What do you mean by FTP or File Transfer Protocol?

**Ans 1:** This protocol is used to upload and download the files on remote computers.

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Q10. Define Primary key and Queries

**Ans 1: Primary Key**

Primary key is a field that uniquely identifies each record stored in a table.

**Ans 2: Queries**

Queries are used to view, change, and analyze data. They can be used to combine data from different table and extract the exact data that is desired.

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