

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

Q1. What was the obstacle to the construction of analytical engine?

Ans 1: Charles Babbage had huge difficulties raising money to fund his research. As a last resort, he designed a clever mathematical scheme along with Ada, the Countess of Lovelace. It was designed to increase their odds while gambling. They bet money on horse races to raise enough money to support their research experiments. Guess what happened at the end? They lost every penny that they had.

Q2. 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.

Q3. What are application softwares? List down the names of three application softwares.

Ans 1: Definition: Application Software are that software then can interact directly with the user for performance of respective type of work.

Following are the types of Application Softwares:-
· AutoCAD and Corel Draw · Business Software · Productivity SW · Games Software

Q4. 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.

Q5. 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.

Q6. Elaborate Vector or Object oriented graphics with atleast one example.

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

Q7. Why the quality of image in dithering scheme is not good?

Ans 1: In this scheme, pixels of alternating colors are used to simulate a color that is not present in the palette. For example, red and green pixels can be alternated to give the impression of bright yellow. The quality of the displayed image is poorer.

Q8. What are the Sub categories of Artificial Intelligence? Briefly explain any two.

Ans 1: 1. Robotics

These are the machines which are computer programmed and perform work which was previously done by humans. They can be found in the manufacturing industry, the military, space exploration and medical applications. 2. Expert Systems These systems are designed to replace an expert. The medical expert system is an example of such system which can replace a Doctor/medical expert

Q9. 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.

Q10. What is Robotics? How Robots making our daily and industrial life easy?

Ans 1: These are the machines which are computer programmed and perform work which was previously done by humans. They can be found in the manufacturing industry, the military, space exploration and medical applications.
