

## **DAC 0521 MET-M Writeup - Java Module 2 Session 1**

Enterprise Application - It is a software application which automates multiple business processes and has following characteristics

- (1) it consumes large volumes of persistent data managed by different data sources
- (2) it performs complex transactional operations whose logic can change from time to time
- (3) it is concurrently accessed over the network by a large number of users with a very low tolerance for down times.

Thread - It is a basic unit of concurrency which allows a program to run a particular part of its implementation while it simultaneously executes some other part. It is used for supporting

- (1) Asynchrony - It enables the caller of a procedure to resume execution before that procedure returns in order to increase the responsiveness of the program.
- (2) Parallelism - it enables execution of iterations of a single long running loop on separate processors (or cores) in order to increase the performance of the program.