FACULTY OF ENGINEERING & TECHNOLOGY

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Topics Covered

Software Design Methodologies

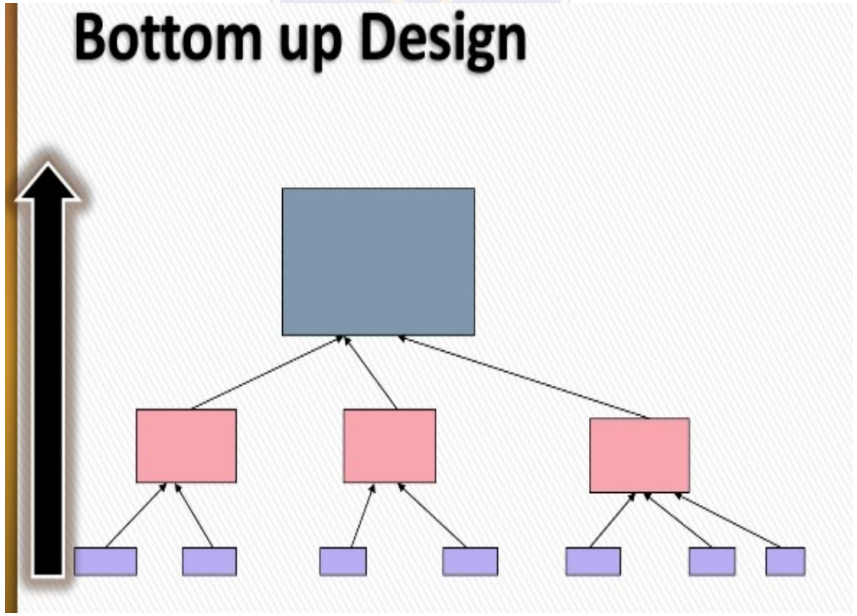
Benefits Of The Bottom-up Design

Assembler Language Programming

Software Design Methodologies

– Bottom-up Design

- It proceeds with composing higher level of components by using basic or lower level components
- Bottom-up strategy is more suitable when a system needs to be created from some existing system, where the basic primitives can be used in the newer system



Benefits of the Bottom-up Design

The major benefits of top-down method are:

- User and business awareness of the product. Benefits are realized in the early phases.
- You can replace many manual processes with early automation.
- You can implement password management for a large number of users.
- You do not have to develop custom adapters in the early phases.
- Your organization broadens identity management skills and understanding during the first phase.
- Tivoli Identity Manager is introduced to your business with less intrusion to your operations.

Assembler Language Programming

- A good practice is never to program in assembler language directly.
- Start with the specification of the module to be coded.
- Code it in a Pseudo Design Language or PDL
- PDL is much like any high level programming language.

MCQ

1. **Which of the following is not a valid variable name declaration?**
   a) float PI = 3.14;
   b) double PI = 3.14;
   c) int PI = 3.14;
   d) #define PI 3.14

2. **Which keyword can be used for coming out of recursion?**
   a) break
   b) return
   c) exit
   d) Both (a) and (b)

3. **_____should be avoided as part of structured programming approach**
   a) break
   b) goto
   c) continue
   d) exit

4. **The minimum number of times —forll loop executes**
   a) 2
   b) 3
   c) 0
   d) 1

5. **Which one among the following is the correct syntax of for loop?**
   a) for(i=0;i<n;i++);
   b) for(i<n;i=0;i++);
   c) for(i=0;i<n:i++);
   d) none