20181CSE0621
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PART-B

Q.1] **BOOCH METHOD:**

- It is a well known OO method that designs the system using object paradigm.
- It covers the analysis and design & phases of system implementation.
- This method starts with class & object diagrams in the analysis phase. These diagrams are refined using various steps.
- The refinement continues until the problem domain gets more & more understood in an evolutionary manner.

—> Booch proposes different views to describe an Object oriented System. They are:

1. Physical Model
2. Logical Model
3. Static Model
4. Dynamic Model.

↳1] **Physical Model:-** It describes the concrete hardware with respect to the software components of a system.

- Module and Process architecture
- Processors
- Devices and Communication Connections between them.

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2] Logical Model:
- Represented in the class & object structure
- In the class diagram one builds up the architecture or the static model
- To deal with complex diagrams
  - The notation allows class categories to group classes into namespaces, each category being itself a class diagram.

3] Static Model:
- Class diagrams and the relationships therein are mostly static.

4] Dynamic Model:
- Object diagrams and the relationships therein describe the dynamic behaviour of the system.
- In this instance relationship means message exchanges between objects.

—> Overview: