

Solved Question Paper

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What are the benefits of object oriented development over structure development.(5marks)

It's a approach through which modelling of the systems are done by visualizing the system based on the real world concepts.

There are several benefits of object oriented modelling. Reuse and emphasis on quality are the major highlights of Object Oriented Methodology. Object Oriented Methodology provides resistance to change, encapsulation and abstraction etc. Object-oriented modeling reduces the need for maintenance and increases both reliability and flexibility.

Major benefits of Object Oriented Modelling is that :

- Development of the system becomes fast
- Quality of the system increases
- Improves the communication between users, analysts etc.
- The ability to tackle more challenging problems

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- Helps in the development of complex system with less risk due to basic properties like class, objects and inheritance.
 - Helps in understanding problems, communicating with experts from distance, modelling enterprises and designing programs and databases.
 - It reduces the need for maintenance and if needed maintenance is easier.
 - It increases both reliability and flexibility.
 - Modular Architecture : We can replace or add any one component (**module**) without affecting the rest of the system. This is because there is clear division between components.
 - It gives the freedom of use of existing code and design : In this, each object is a stand alone component that can be reused not only within a specific problem domain, but also in completely different problem domains, having the requirements of similar objects.
 - It focuses on data relationships. We cannot develop a successful system when data relationships are not well understood.
 - It provides all of the insight of an ER diagram and contains additional information related to the methods to be performed on the data.

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- The ability to tackle more challenging problem domains
 - Improved communication among users, analysts, designers and programmers.

Why we need of approach object oriented decomposition
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