

12 Lecture - CS504

Important Mcqs

Coupling in software design refers to: a) The degree of relatedness within a module b) The degree of interdependence between modules c) The degree of encapsulation within a class d) The degree of inheritance in an object-oriented system **Solution: b) The degree of interdependence between modules**

Cohesion in software design refers to: a) The degree of relatedness within a module b) The degree of interdependence between modules c) The degree of encapsulation within a class d) The degree of inheritance in an object-oriented system **Solution: a) The degree of relatedness within a module**

Which of the following is an example of low coupling? a) A module that relies on another module's internal implementation details b) A module that communicates with other modules through well-defined interfaces c) A module that shares global variables with other modules d) A module that directly modifies the internal state of another module **Solution: b) A module that communicates with other modules through well-defined interfaces**

Which type of coupling is considered the most desirable? a) Content coupling b) Stamp coupling c) Control coupling d) Data coupling **Solution: d) Data coupling**

Which type of cohesion is considered the most desirable? a) Coincidental cohesion b) Logical cohesion c) Sequential cohesion d) Functional cohesion **Solution: d) Functional cohesion**

Which type of cohesion indicates that a module performs multiple unrelated functions? a) Coincidental cohesion b) Logical cohesion c) Sequential cohesion d) Functional cohesion **Solution: a) Coincidental cohesion**

Which type of coupling indicates a strong dependency between modules? a) Loose coupling b) Tight coupling c) External coupling d) Control coupling **Solution: b) Tight coupling**

Which type of cohesion indicates that a module performs functions in a specific order? a) Coincidental cohesion b) Logical cohesion c) Sequential cohesion d) Functional cohesion **Solution: c) Sequential cohesion**

Which type of coupling indicates that one module directly modifies the internal state of another module? a) Message coupling b) Data coupling c) Content coupling d) Control coupling **Solution: c) Content coupling**

Which type of cohesion indicates that a module groups together functions that operate on the same data? a) Coincidental cohesion b) Logical cohesion c) Sequential cohesion d) Functional cohesion **Solution: b) Logical cohesion**