

Q1) Explain Cohesion?

Ans) Cohesion is an ordinal type of measurement and is usually described as "high cohesion" or "low cohesion". Modules with high cohesion tend to be preferable, because high cohesion is associated with several desirable traits of software including robustness, reliability, reusability, and understandability. In contrast, low cohesion is associated with undesirable traits such as being difficult to maintain, test, reuse, or even understand.

Cohesion is often contrasted with coupling, a different concept. High cohesion often correlates with loose coupling and vice versa. The software metrics of coupling and cohesion were invented by Larry Constantine in the late 1960s as part of structured design, based on characteristics of "good" programming practices that reduced maintenance and modification costs.

Types of cohesion:

a) Logical cohesion

(b) Temporal cohesion

c) Procedural cohesion

d) communicational / information cohesion

(e) functional cohesion

(f) Perfect Cohesion