PROMPT Software Testing

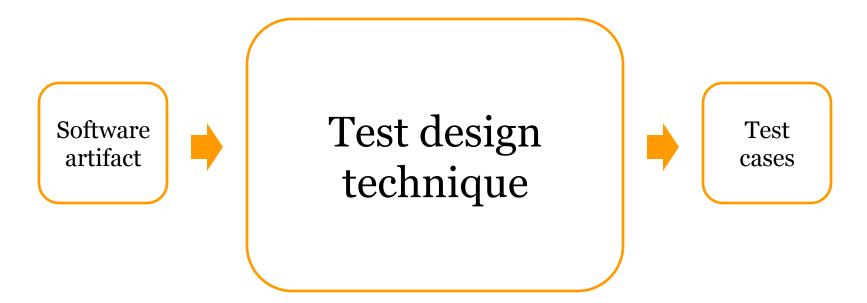
Test design techniques











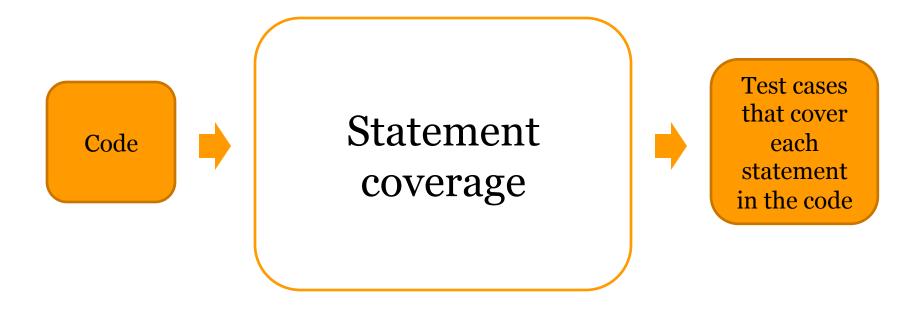
• Can be seen as functions that, based on a set of rules, generate test cases from software artifacts (e.g., specifications or code)





• Example: Statement Coverage





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Test requirement/coverage item





• Example: Statement Coverage



...can be classified based on several different aspects

- Type of abstraction
 - Graph-based, logic-based, syntax-based, etc.
- Software engineering artifact
 - Specification-based versus implementation-based
- Level of knowledge of the inner workings of the software
 - Black-box, Gray-box, or White-box



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However, we will start from the perspective of software behaviour