HOME **COMPUTER FUNDAMENTAL NETWORKING C LANGUAGE MANAGEMENT C PROGRAMMING** Home ▶ Soπware Engineering What are Test Oracles **Search Content** BY DINESH THAKUR Category: Software Engineering Ad closed by **Custom Search** Search Google Stop seeing this ad Why this ad? (1) **Prototyping Basic Courses** Model in **Software** Computer **Engineering** Fundamental Computer What is SRS? Networking Structured **List & Describe Various** HTML Characteristics Language Cascading Style of an SRS Sheet C Programming What is (Theory) C Programming **Feasibility** Study? Types of ratical) Visual Basic Feasibility. C++ **Explain** Programming Java **Feasibility** Programming Java Servlet **Study Process** Java Server

Discuss in

Detail Coupling

and Cohesion

A test oracle is a mechanism; different from the program

itself that can be used to check the correctness of the

Pages Computer

Graphics

output of the program for the test cases. Conceptually, we can consider testing a process in which the test cases are given to the test oracle and the program under testing.



The output of the two is then compared to determine if the program behaved correctly for test cases. To help the oracle determine the correct behavior, it is important that of the behavior system or component unambiguously specified and that the specification itself is error free.

There are some systems where oracles are automatically generated from specifications of programs or modules. With such oracles, we are assured that the output of the oracle is consistent with the specifications.

■ Previous Article

Software Maintenance in Software Engineering

Next Article ▶

Software Maintenance

Life Cycle

About Dinesh Thakur

Dinesh Thakur holds an B.SC (Computer Science), MCSE, MCDBA, CCNA, CCNP, A+. **SCJP**

Spiral model in

Software

Engineering

What is Process

Waterfall Model

Along With its

Limitations

What are

Various

Software

Engineering

: What is

software myth

Software

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in software

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Explain

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used in it

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AngularJS Tutorial Compiler Design

Troubleshooting

certifications. Dinesh authors the hugely popular Computer Notes blog. Where he writes how-to guides around Computer fundamental , computer software, Computer programming, and web apps. For any type of query or something that you think is missing, please feel free to Contact us.

List & Explain

Various

Components of

an SRS

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Engineering -

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Engineering?

Write Basic

Objective and

Need for

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Differentiate

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Describe

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Between Top-

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Between

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and Products

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and Explaini its

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Apart from

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Reviews what

are the other

Methods Used

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Validation of

SRS

Test Case

Design |

Software

Testing

Measuring

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Engineering

Object Oriented

Metrics in

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Coding

Methodology in

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Engineering

Techniques for

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Testing Tools

Test Plan

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Testing

Software

Requirements

Engineering

Tools

Requirements

Elicitation or

requirements

capture or

requirements

acquisition

Analysis

Patterns in

Software

Engineering

Quantitative

Process

Management

(QPM)

Designing

Software

Metrics in

Software

Engineering

Features of

Software Code

in Software

Engineering

Responsibilities

of Software

Project Manager

Issues in

Software

Metrics

What is Bottom-

Up Design?

Process Change

Management

(PCM)

Organization

Process

Definition (OPD)

> **Technology** Change Management (TCM) **Coding Tools in Software** Engineering Organization **Process Focus**

(OPF)

Software Engineering

Process Change Management (PCM)

Tools for Software Maintenance

Discuss the Different Levels of **Testina**

Criteria for Selecting Software Process Models

Write a Note on Software **Design Phases**

Requirements Management Process in Software Engineering

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