



# What is JOD?

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# What is JOD?

Short for J Object Dictionary

JOD is a J programming language add-on

A database system for J programs, data, test cases and utility scripts

A detailed example of a large object oriented J system



# Why JOD?

Code recycling and refactoring

Code exclusion

Focused documentation

Generation of J scripts

Integrated testing

Discipline and control



# JOD implementation notes

Implemented as two highly compressed load scripts

When `load'ed jod.ijs` creates all named class locales and then calls `jodon`

`jodon` creates JOD objects and then runs the user profile script `jodprof.ijs`

JOD databases consist of a collection of J component `*.ijf` files

JOD does not maintain open files



# “Code” recycling

Easier said than done

The history of programming is mostly a story about attempts to recycle “code”

JOD simplifies J code recycling and refactoring



# Code exclusion

Traditional code recycling systems *over include*

Getting rid of unwanted code is difficult and dangerous in most development environments

Dead and unused code is not harmless

For code "Less is More"

JOD simplifies J code exclusion



# Focused documentation

Detail control

Intelligent use of references

Writing code and documentation are concurrent activities

JOD supports an effective J code documentation style



# Generation of J scripts

JOD generates scripts from object lists

Generated scripts can be extensively processed

The JOD load script is an example of a highly processed script

JOD encourages programmers to focus on the organization of words not their script wrappers





# Integrated testing

Test cases are more important than the objects they test

Open tests are more revealing than open code

Coding and testing are concurrent activities

Order of Magnitude Maxim

Test Incompleteness Theorem

JOD streamlines J testing

# Painless database and ASCII dump facilities



The DATA is more important than the BASE

You're either backed up or f&%#\*d up

Binary bad

ASCII good

J script better



## JOD makes for better J

Focuses minds on the entire range of activities required to produce high quality systems

Makes it easy to see where more work is required

Makes it easier for others to understand your work

Remember a programmer is a terrible thing to confuse



## Getting JOD?

JOD can be installed using the [J package manager](#)

A JOD \*.zip can be downloaded from [The JOD Page](#)

JOD runs on Windows (J 6.02, J 7.01) and Linux (J 7.01) systems

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