

# Titanic, COBOL and the 100 year platform



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# Your host

From Sweden to Chicago through ThoughtWorks

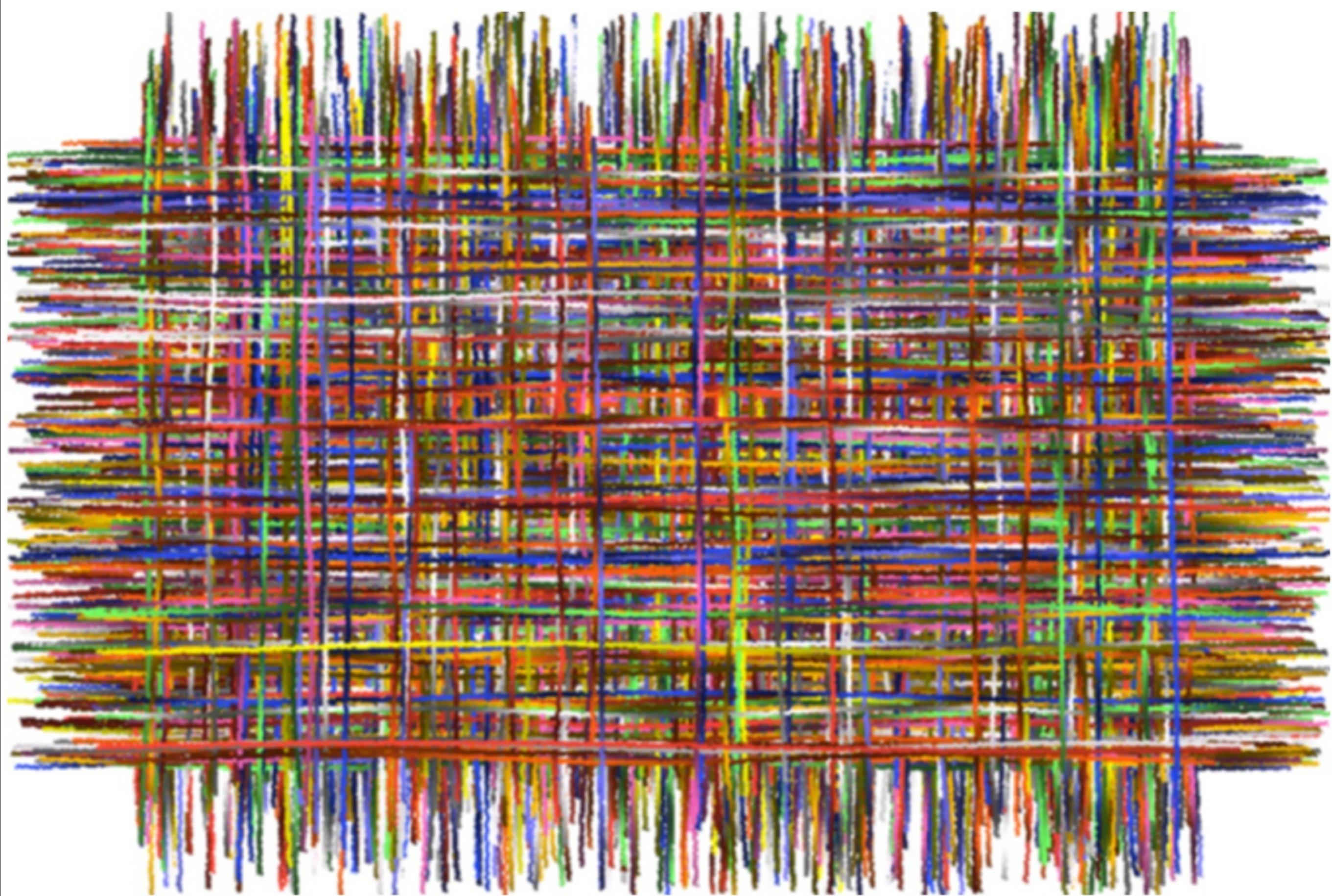
Language geek at ThoughtWorks

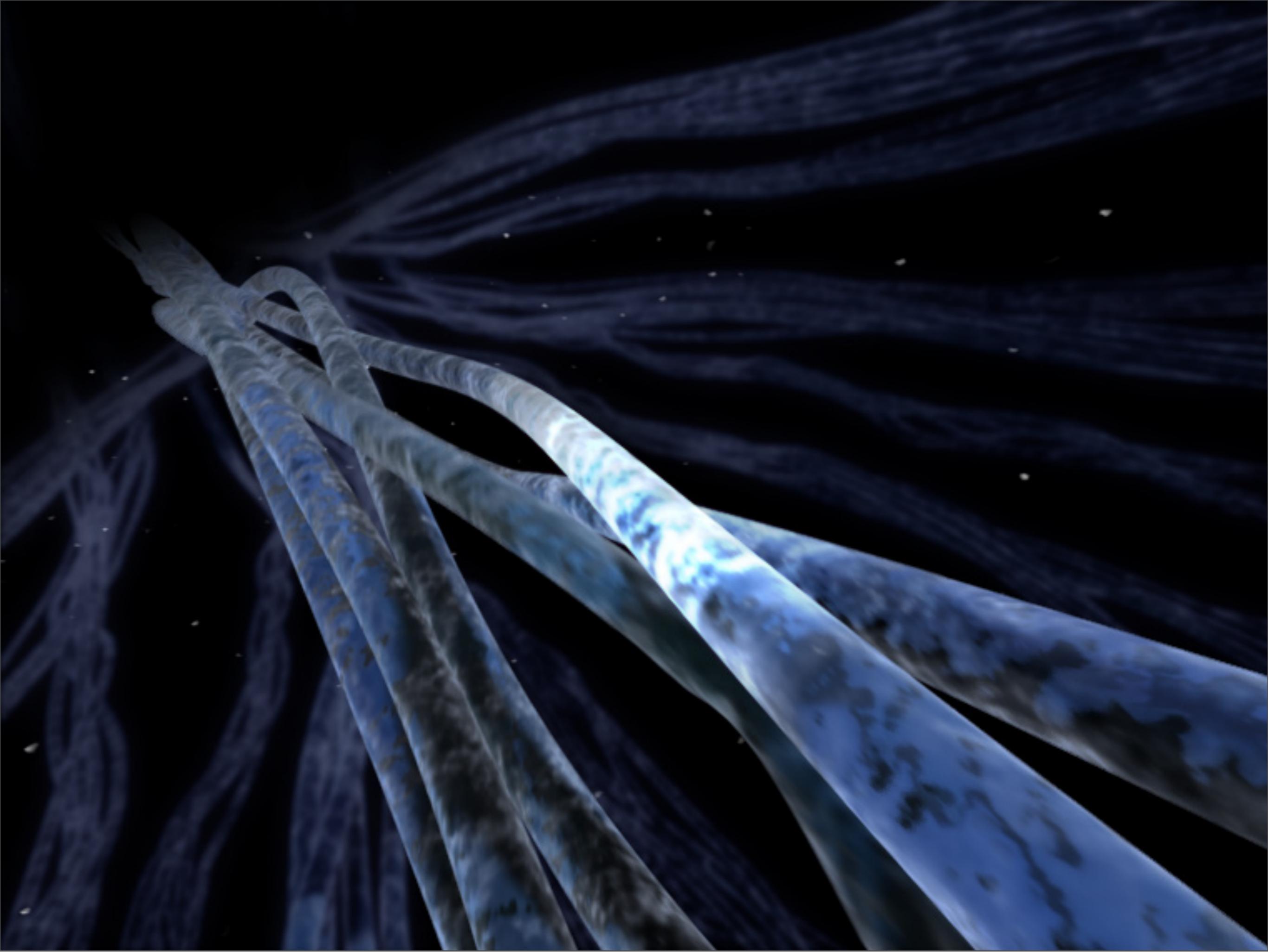
JRuby core developer, loke and Seph creator

Member of the JSR 292 EG

# 100 year platform







# code loading

platform  
independence

language  
independence

paradigm  
independence

A CRYPTO NERD'S  
IMAGINATION:

HIS LAPTOP'S ENCRYPTED.  
LET'S BUILD A MILLION-DOLLAR  
CLUSTER TO CRACK IT.

NO GOOD! IT'S  
4096-BIT RSA!

BLAST! OUR  
EVIL PLAN  
IS FOILED!



WHAT WOULD  
ACTUALLY HAPPEN:

HIS LAPTOP'S ENCRYPTED.  
DRUG HIM AND HIT HIM WITH  
THIS \$5 WRENCH UNTIL  
HE TELLS US THE PASSWORD.

GOT IT.



# performance/JIT



torsdag den 13 oktober 2011





# value objects

# JVM library help

# symbolic freedom

# interface Injection

language specific  
invocation

# meta-object protocol

# modularity

# open specification

possibility of open  
implementation

# standards organization

open

independent

vendor neutral

# java

# java community process

# oracle & google

# jcp retirements

# hudson/jenkins

# openness

# java 7

invoke dynamic

coin

fork/join

NIO.2

# java 8

delayed to 2013

lambda

jigsaw

jvm convergence

new date/time API

# java 9+

self tuning JVM?

improved native integration?

big data support?

reification

tail-calls?

continuations?

meta object protocol?

multi tenancy?

resource management for cloud?

EDIT AGY0155.DEMO.SRCLIB(PROGRAM2) - 01.05 Columns 00001 00072

Command ===> CSR Scroll ===> CSR

```
***** **** Top of Data *****  
000001 IDENTIFICATION DIVISION.  
000002 PROGRAM-ID. QUASAR.  
000003 *  
000004 ENVIRONMENT DIVISION.  
000005 *  
000006 CONFIGURATION SECTION.  
000007 SOURCE-COMPUTER. DELL.  
000008 OBJECT-COMPUTER. DELL.  
000009 *  
000010 INPUT-OUTPUT SECTION.  
000011 *  
000012 DATA DIVISION.  
000013 WORKING-STORAGE SECTION.  
000014 01 EMP-NAME          PIC X(8) VALUE 'JAYPRADA'.  
000015 *  
000016 PROCEDURE DIVISION.  
000017     MOVE 'QUASAR' TO EMP-NAME  
000018     DISPLAY EMP-NAME  
000019     MOVE 'CHUNAWALLA' TO EMP-NAME  
000020     DISPLAY EMP-NAME  
000021     STOP RUN.  
***** Bottom of Data *****
```



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2111

# questions?

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