# TESTIVAL #55 SELF VERIFYING DATA

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#### Basara: Puška i testera



Vladimir Putin poklonio Aleksandru Vučiću pušku, neku staru kraljevsku srpsku, <u>Basara</u> iščitao poruku iz geste: "Da je počem živ – a prava je šteta što nije – Anton Pavlovič bi zacelo revidirao jedan od najpoznatijih postulata svoje dramaturgije, tako da glasi: Puška okačena u prvom činu na

naslovnici NIN-a, u drugom činu, u Sočiju, glumcu kaže sledeće: ne budeš li u trećem činu igrao kako reditelj kaže, Uprava pozorišta će nekom od zainteresovanih u Srbiji – a ima ih iha ha – pokloniti čučavac i testeru".

#### STEPS OF KNOWLEDGE

- THE ORACLE
- SELF VERIFYING DATA
- EXAMPLE
- WRONG EXAMPLE
- ADVANTAGES
- DISADVANTAGES
- BBST FOUNDATIONS

### THE ORACLE

- An oracle is a mechanism for determining whether a program passed or failed a test.[BBST]
- Mechanism [noun] a natural or established process by which something takes place or is brought about

#### SELF VERIFYING DATA

- An Oracle!
- Self-verifying test data is any data that contains the correct answer of function or feature that we test

#### EXAMPLE - CALCULATION

Bank identifier

IBAN

Country code



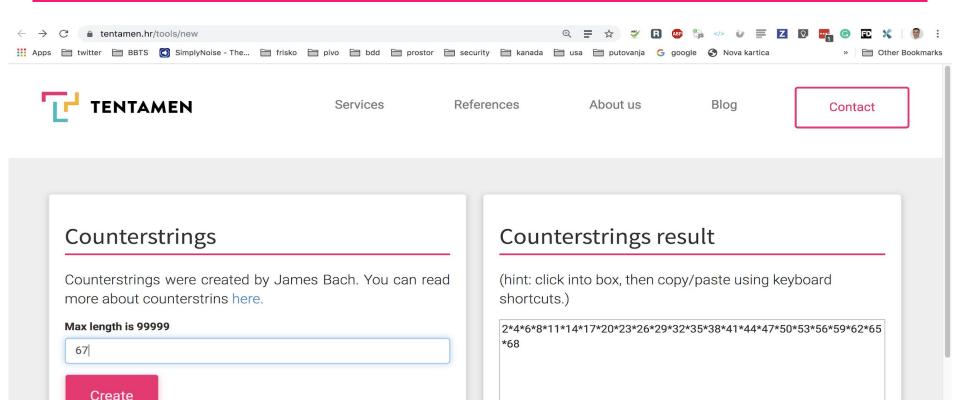
↑ Check number

Account number

#### EXAMPLE - FINGER CALCULATION

- COUNTERSTRINGS
- JAMES BACH

## EXAMPLE - HTTPS://WWW.TENTAMEN.HR/TOOLS/NEW



## WRONG EXAMPLE

#### • SPREADSHEET

NAME	RESULT
Davor	PASS
Zeljko	PASS
Karlo	FAIL

#### WHY?

#### ADVANTAGES

- NO EXTERNAL DOCUMENTATION
- LARGE AMOUNT OF DATA (AUTOMATION)
- POST TEST ANALYSIS
- VERIFICATION NOT BASED ON UI
- VERIFICATION BASED ON LOGIC

#### DISADVANTAGES

- TESTER MUST KNOW VERIFYING LOGIC
- LOGIC CHANGE => DATA CHANGE
- ONLY ORACLE => BUG MISS

#### BBST FOUNDATION

- HOMESCHOOL => http://testingeducation.org/BBST/foundation s/
- PAID =>
   https://www.associationforsoftwaretesting.o
   rg/courses/foundations/
- https://bbst.courses/bbst-foundations-testdesign/ (CEM KANER)

## Q & A