## BEYOND THE BASICS

2 CHAPTER
- u projektu

\$ rails . - updatea projekt i odulire se sto "shront"

- jos bolje za update - stront non projekt i meno kopinat fileove

( & mke -t - we sto mke mote

preke rails: freeze: yems - kopina cycli RXILS u venkor folder i tako "fercera" aplikaciju

A grant

3 6

I rake rails: unfreeze

p ri find - querya rocks dokumentaciju

(3) CHAPTER - roils i mby interminalin	
· & mby -e 'puts 1+1' -> ovo se o communo	
42	
. \$ mby ~/ Deshtop puth. / file, wh La maia output is datateke	
La méca output is dataleke	
· \$ iob > interactive ruly	
· for name in first-array = [ Kenin	, 'Bol']
for name in first-array (first-array = ['Kenin' puts name end	
· also copy-parteams u iRB-parit na Tabone	
OVO JE ZADNÍH VRAČENA VRIJEDNOST	
43 - #3 49	
· noils c - roils konrola. Fa narlihu od IRB-a ima protup basi i svemen definismos neils applikaciji	n a
-> my-array = ['ime', 5, [4,5,6]] -> my-array - outputs yand od my-array	

IRB ARRAYS = % w (Kevin Bob Sally) -> pravi string array of rijeci 4 word - array 6 L" Kevin", "Boh", "Sally"] - (runa zareral)

Lo array 1. include? (6) LATRUE ILI FALSE

-> DAZI ARRAY SADRZI ODREDONI BROJ (ILI BILO KOJI DRUGI OBJEKT)

L> array 1. delete (2) -> IRISE BROJ 2 12 ARRAYA, A NE VIJERT S POZICIJE 2 La maia nil, ako broy (objekt) nije u arragu L> inoce moco ishinami objekt

L> x = arrey 1. delete (3)

x 4> ⇒3 x=3

-> 123 RIGHT OBJEKT (BED) 3) JE PRESO U.X -> AKO OBFRIT NE POSTOJI U ARRAYU X CF BIT NIL

La array 1. delete\_at (3) -> on line treci elevent is misu La array 1. empty? - inpitro jeli array prusan

TRUE (PRAZAN)

ILI

FALSE (INN NESTO U ARRAYU)

La array 1. unig

-> vroca jedinstvene injednost iz orraya (displikate pr. duple brogere) sky

La array 1. unig! > jedinstrene mjednosti iz amerja mema u isti array -> radi detrukturo

- duplicina array 1 i La array 2 = array 1. dup onda tay duplikat portaje array Z [1,2,3] [4,5] -spoji namo 2 nisa Lo enrey 1 + array 2 La [1,2,3, 4,5] [1,2,5] [3,5,5] → unija → isto kao La array M / array 2 (array 1 + array 2) unig Ls [1,2,3,4,5] Ls array1 & orray2 -> méa elemente koji m i u amayii 1 1. u amayu 2 L>[2,3] L) array 2 - array 1 -> mice is awaya 2 sore its ima i u arrayu 1 5[1,2] JE KEY - VALUE PAR HASHES (IRB) my - hash = { "day" => "Monday", "name" => "Bruno", "suby" => "Ror"} La my\_hash. include? ("day") KEYEVIM L> TRUE > dali hash sadrin određenj key (ne value) by my hash has key? (" day") - dali hush radri određeni 13 my - hash. has \_ value? (" Monday")

Ls my - hush. empty? → PRUE FALSE - s brise key-value por L> my\_hush. delete (" ruhj") ⇒" Ror" - mora rul aho nema key-vitne poro ? L> my hash ["name"]

> "Bruno" > VRACA VALUE -> maía key od nelnea L> my\_hash. key ("Bmio")
=> "name" noco mos -> spage 2 hasha. New-hish ike Lo my hash, merge (new\_hash) no know my-hasha -> my - hash ostage ist how proje (nije destruktima naredba) Ls my - hash merge! (new - hash) -> md je destruktimo L> my - hash, keys ⇒ ["day", "nome", "subj"] > KEYEVE 4 my hash, values => [" Monday", "Bomo", "ror"] > VALUES

CODE	BLOCK	EACH
------	-------	------

- · I . times of puts "Hello" } Ly RAZLICITO OD HASHEVA D
- · objects. each of lobil block of -> SINGLE LINE
- · objects . each do loby! line 1 line 2

MULTI LINE.

LO OVO JE 1570 KNO - for obj in objects line 1 line 2

andi isto

indexi od husha [0,1,..] > names = [ 'Keim', 'Larry']

- names. each-index [ | index | puts " Index #4 index] " }
- names. each with index { I name, index] Pub '...'

> person = { 'ime' => 'smur', 'presime' => 'Sutic', 'yoh' => 'programer'}

- penson. Each\_key flkl pub --- } YIELDA SE KEY 12 HASH-Q

- person. (each \_ value { IVI puts ... } YIELDA SE VALUE 12 HASH-A

person each pair [ 1 k, v ] puts ... }

YIELDA I KEY I VALUE 17 HASH-a.

FIND - COOF BLOCK RUBY FIND, NE RAILS FIND).

noums = [1,2,3,4,5]

→ [2,3,h,5]

mums. find [ In | n>3]

>4

BOOLFAN TEST ISTO

nums, detect [In/ m>3]

STEDNU (PRVU)
VELJEDNOST

mums. find \_ all  $\{|n| \ n>1 \ \& \ n < 5\}$   $\left( \rightarrow [2,3,4] \right.$ - nums. relect  $\{|n| \ n>1\}$ 

sméa SVE nizednosti hoje odgovanju loolean izneru

-> nums. any? { | n | n=-. }

> JELI DEDAN ELEMENT IT MRRAYA ZADOVAJAVA ROOLFAN TEST

Lo mumo. all? [m] M ... }

> ARI HADAN ELEMENTI ZADOVOLJAVAJU?

Lo mins. delete\_if {In1 n<3} > BRISE SUE KOJI PADOVOLJAVAJU HASHEVI - ne nade me navedle i na emays i na hashs of person = { 'ime' => 'Brur', 'presine' => 'Sulu'} L> person. select [[k,v] k=="lest"]

YIELDA I KEY
I VALUE  $\Rightarrow$  person, delete - if  $\{1k, v \mid k = 1, \dots \}$ MERGE hush i merge (other\_harh) [ key, oldval, newval | block } Lo person. merge (new\_person) { | key, old, new | old } -> zadriava stani mjednost ... old + " " + new } - radi

COLLECT, MAP -wde blocks Collect, map

- resultat collects je unijek amay! Unijek mico ishi linj
objekata!

- mums = [1,2,3,4,5]

- nums. collect [InIn+1]

Ly [2,3,4,5,6]

- nums. map [INI n+20]

- nums. map [INI n+20]

- nums. map [INI n+20]

L> nums, map! {[n| n+1} → nums = [2, 3, 4, 5, 6]

person = collect { [k,v] v} ~ v ~ v ~ ARRAY UNION

INJECT - CODE BLOCKS

Inject, sort

mlmo = (mmy = [20, 40, 60, 80, 100]) - nums, insect { 1 memo, n | memo + n } Su mokom konden se memo

- mins, inject (200) { | memo, n | memo + n } INKIJAL NA VRIJEDNOST MEMOA · Table

- menu = ["Home", " Products", ..., "Contact us"]

- menn. sort 

> sortine po prom slove aberedno

- menn. rort { | item 1, dem 2 | item 1 <=> item 2 }

USFORTDIVA | VRACA VEC | OBJECT

- menu. rort-by flitems item. length?

det metoda puts " Nesto prije" end puts "Nexto porlyi"

metode of puts " Ovo u medini"}

- det yield\_metoda puts "Start" yield (x) end puts " Kraj"

puts vol \* 100 } - yield metoda f [val]

4 Stort 100 00

CONTROL FLOW

TERNARY OPERATOR

4 boolean? result 1: result 2

PRIMJER

TERNARY OPPRATOR

result = 2%2 == 0? "Even": "Odd"

SAKO JEJO ONDAJ EISE J

CASE OPERATOR

Errors & exception

and the state of t

ili

ili

when x = 1puts "one"

when x = 2puts "two"

when x = 3puts "three"

else

puts "more"

when x = = 1 puts "one"

when  $x = = 2 \times \text{puts}$  "two"

when  $x = = 3 \times \text{puts}$  "three"

else puts "more"

ovo NE 1DE b

NETTA: NEGO

SATONO THEN

ili ako se ispitina sem vanjalla x

when 1 puts "one"
when 2 puts "two"
when 3 puts "three"
else puts "more"

cose X
when 1 then puts "one"
when 2 then puts "tur"
when 3 then puts "three"
else puts "more"
and

## ERRORS & EXEEPHONS

irb - X = 100/0 Ly division by \$\P\$ - X = 100/0 resule X = 200 Ly 200

begin code to attempt rescue code it it fails and

mpr.

det initialise (value)

begin

@ answer = 100 / value

rescrie

@ answer = 20

end

PAISANJE GRESKE

- class Commey det initialize puts " bont new with me" end

- Nar = Grumpy. new Lo Don't mens with me Runting error 4

12BAC1 GRESKY RUNTIME EPROK PO DEFAULTU

SPASAVANJE POSEBNE GRESKE

det initialize (value)

begin

gin @ansuer = 100/volue rescue Zero Division Error

@answer = 20

LISTA ERRORA

- knin broj orgunarata ArgumentError

Name Error

No Method Error Runtine Em

Syntax Error

Type Error

Zero Division Error

rescue Zero Division Error => e) => STANJA GREŠKU U
puts "You con't divide by 0!!!"

puts "Error was: "+e

:

end

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CHAPTER