

ΔεεπCS

Perl Tutorial For Novice Part 2

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Hashes

- Associative arrays
- The index is not only the nonnegative integer
- No order
- Starts with the symbol “%” followed by a letter and then by letter, numbers or underscores

Examples

- %hashvar = (“hello”, “hi”, 9.8, 13)
- \$hashvar {“hello”} = “hi”
- \$hashvar {9.8} = 13

Hash Functions

- Reverse
 - Reverse the value and key
 - %hashrev = reverse %hashvar
 - %hashrev = (“hi”, “hello”, 13, 9.8)
- Keys
 - list the keys in the hash
 - @keys = keys (%hashvar)
 - @keys = (“hello”, 9.8)

Hash Functions (cont.)

- Each
 - Returns key and values list
 - each (%hashvar)
- Values
 - List the values in the hash
 - @valuesvar = values (%hashvar)
 - @valuesvar = (“hi”, 13)
- Delete
 - Remove key and value to be deleted
 - delete \$hashvar {“aaa”}

Problems

- Write a program to check if a given string is a US phone number or not.
- Write a program to check if a given string is an IP address

More Problems

- You are given a file with the following format
 - name:score1:score2:score3Read the above file and write out the name and the average of the above scores

Some more problems

- Find out all the CS students!

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