TCL (Tool Command Language) Job Interview Questions And Answers

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TCL (Tool Command Language) Interview Questions And Answers Guide.

Question - 1:

Where can we find the sample tcl programs?

Ans:

Please use below link to get the TCL tutor.
 There are links to other online tutorials at
 http://www.msen.com/~clif/Tcl.html

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Question - 2:

Set ip address as 10.30.20.1 write a script to replace the 30 with 40?

Ans:

here you can do this in multiple ways
1.regsub 30 $data 40 a
puts $a
this will give you the replaced string
2.string replace $data 3 4 40
this also will give you the replaced value

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Question - 3:

How to check whether a string is palindrome or not using TCL script?

Ans:

Code for the above pseudo code.Check if it works!!!!!

```
gets stdin a
set len [ string length $a ]
set n [ expr $len/2 ]
for { set i 0 } { $i < $n } { incr i 1 } {
set b [ string index $a $i ]
set c [ expr $len - 1 - $i ]
set d [ string index $a $c ]
if {$b != $d} {
puts "not a palindrome"
exit
}
}
puts "Palindrome"
```

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Question - 4:

How do you find the length of a string without using string length command in TCL?

Ans:

```
set str "lenghtofthisstring"
set len 0
set list1 [ split $str "" ]
foreach value $list1 {
incr len
}
puts $len
```

Question - 5:

How to Swap 30 & 40 in IP address 192.30.40.1 using TCL script?

Ans:

There are three solutions.
set a 192.30.40.1
set b [string range $a 3 4]
set c [string range $a 6 7]
set d [string replace $a 3 4 $c]
set e [string replace $d 6 7 $b]
puts $e
===OR=====
set a 192.30.40.1
set b [split $a .]
set u [lindex $b 0]
set v [lindex $b 3]
set x [lindex $b 1]
set y [lindex $b 2]
set z [join "$u $y $x $v" .]
puts $z
====OR====
set ip 192.30.40.1
regexp {([0-9]+.)([0-9]+.)([0-9]+.)([0-9]+)} $ip match 1st 2nd 3rd 4th
append new_ip $1st $3rd $2nd $4th
puts $new_ip

Question - 6:

How to extract "information" from "ccccccccaaabbbbaaaabbinformationabcaaaaaabbbbbbbccbb" in tcl using a single command?

Ans:

% set
a "ccccccccaaabbbbaaaabbinformationabcaaaaaabbbbbbbccbb"
ccccccccaaabbbbaaaabbinformationabcaaaaaabbbbbbbccbb
% set b [string trimleft $a "abc"]
informationabcaaaaaabbbbbbbccbb
% set c [string trimright $b "abc"]
information
OR..
% set output [string trimright [string trimleft
$a "abc"] "abc"]
information
%

Question - 7:

How increment a character? For example, I give a and I should get b?

Ans:

set character "a"
set incremented_char [format %c [expr {[scan $character
%c]+1}]]
puts "Character before incrementing '$character' : After
incrementing '$incremented_char'"

Question - 8:

How to run a package in tcl?

Ans:

source <package_name>
(or)
package require <name>

Question - 9:

how to increment eacl element in a list?
eg: incrlist {1 2 3}
=>2 3 4

Ans:

// it works like incrlist 5 6 7 =>> 6 7 8
proc incrlist args {
set s 0

```
foreach s $args {
incr s 1
puts $s
}
}
//for list
proc incrlist list {
 set s 0
 foreach s $list {
incr s 1
 puts $s
}
}
```

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Question - 10:

How TCL works?

Ans:

After TCL installed on the machine, TCL information got
registred in the machine.
e.g:In Windows Registry
[HKEY_LOCAL_MACHINESOFTWAREActiveStateActiveTcl]
The TCL path is updated in Machine environment.
e.g:
PATH=C:/Tcl/bin;%PATH%
Then TCL starts working.
1.TCL a Scripting Language. TCL binary comes with
name "tclsh".
When we use TCL,[For example from Command prompt/Terminal
try to run tclsh] it provides default prompt "%" to User
and asks for input.
#tclsh
%
How TCL works??

Each input from user is treated as TCL command.
After providing the command, tclsh fetch(gets) that command
and try to validate/compile/execute and populate(puts) the
message.
#tclsh
% hello
invalid command name "hello"
% set
wrong # args: should be "set varName ?newValue?"
%set say "Hello"
Hello
2. When we use TCL, we can provide a Script file as
argument.
Example: Create a file "HelloTickle.tcl" containing:
set say "Hello"
puts $say
Execute:
#tclsh HelloTickle.tcl
Hello
How TCL works??

Tcl takes the Argument as a file and try to read the file.
TCL stores the file in memory and reads the file Line by
Line and try to validate/compile.
TCL provides the output and release the memory.

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Question - 11:

What is TCL?

Ans:

Tcl (Tool Command Language) is a very powerful but easy to
learn dynamic programming language, suitable for a very wide
range of uses, including web and desktop applications,
networking, administration, testing and many more. Open
source and business-friendly, Tcl is a mature yet evolving
language that is truly cross platform(windos,all flavors of
linux,macintosh), easily deployed and highly extensible.

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