ITI Summer Training

LAB 2_TCL



Q1-

```
set name1 Samy
set name2 Sayed
set name2 Sayed
set name2 Sayed
set [string compare $name1 $name2]
if { $r=0 } { } {
puts "they are matched"
}

puts "they aren't matched"

set name1 Samy
set name1 Samy
set name2 Sayed
set name2 Sayed
set name3 Samy
set name4 Samy
set name4 Samy
set name6 Samy
set name6 Samy
set name6 Samy
set name7 Samy
set name8 Sam
```

Q2-

```
set str "DIC Intake 43"

puts [string index $str 1]

Input for the program (Optional)

Output:
```

```
1 set str "DIC Intake 43"

2 puts [string range $str 0 1]

5 puts [string length $str ]

Output:

DI
13
```

Q4-

```
set str "DIC Intake 43"

set str_list [split $str]

puts [lreverse $str_list]

Output:

43 Intake DIC
```

Q5-

```
1 * proc ex5 { item1 item2 list_items } {
                                                                                                         STDIN
      set new_list {}
                                                                                                          Input for the program (Optic
       foreach num $list_items {
 5
                                                                                                        Output:
 6 🕶
             if { \$num == \$item1 } {
                                                                                                        1 2 3 4 7
 8
                      lappend new_list $item2
 9
             } else {
10 •
11
12
             lappend new_list $num
14
             }
16
17
18
19
20
         return $new_list
22 }
23
24 set list_items { 1 2 3 4 5 } set a 5
26 set b 7
    puts [ex5 $a $b $list_items]
27
28
29
```

06-

```
proc ex6 { a b } {

Input for the program (Optional)

Output:

puts "the addition result = [expr $a*$b]"
puts "the subtraction result = [expr $a*$b]"
puts "the multiplication result = [expr $a*$b]"

return $a/$b

set a 10.0
set b 15.0

puts [ex6 $a $b ]

STDIN

Input for the program (Optional)

Output:
the addition result = 25.0
the subtraction result = -5.0
the multiplication result = 150.0

10.0/15.0
```

Q7-

library setup time slack (MET)	-0.03	3.62 1.28	
library setup time	-0.03	3.62	
slack (MET)		1.28	
library setup time	-0.03	3.62	
slack (MET)		1.28	
library setup time	-0.03	3.62	
slack (MET)		1.28	
library setup time	-0.03	3.62	
slack (MET)		1.28	
library setup time	-0.03	3.62	
slack (MET)		1.28	
library setup time	-0.03	3.62	
slack (MET)		1.28	
library setup time	-0.03	3.62	
slack (MET)		1.28	
library setup time	-0.03	3.62	
slack (MET)		1.28	
library setup time	-0.03	3.62	
slack (MET)		1.28	



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