

Assignment 6

Simulate RPC (Create procedure on remote machine and call it from local machine)

List of programs for RPC

1. String is palindrome or not.
2. Find out given year is Leap Year or not.
3. Find out the GCD of given number.
4. Find out the square root of given number.
5. Swap two variables without using 3rd variable.
6. Calculate Maximum, Minimum, average of given array.
7. Compare the given two strings.
8. Find out whether given string is substring or not.
9. Concatenate the two strings.
10. Reverse the elements of an array.

Server:

```
$ sudo ./assign6_server: permission denied
kali@kali:~/kali$ cd /etc/init.d/
kali$ ./assign6_start
[sudo] password for kali:
kali@kali:~/kali$ cd /etc/init.d/
kali$
```

Client:

```
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10. Reverse the elements of an array
11. exit

Enter the number corresponding to task to run that fun : 1
Palindrome : navan

String is palindrome

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Enter the number corresponding to task to run that fun : 2

Leap year : 2004

yes it is a leap year
```

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Enter the number corresponding to task to run that fun : 3

gcd : 4 16

gcd(4,16) = 4

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Enter the number corresponding to task to run that fun : 4

Square root of : 626

sqrt(626) is 25.019991

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Enter the number corresponding to task to run that fun : 5

swap : 5 8

swap 8 5

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Enter the number corresponding to task to run that fun : 6

Enter the size of array : 5

Enter the elements: 1 5 2 4 3

Maximum = 5 Minimum = 1 Average = 3

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Enter the number corresponding to task to run that fun : 7

Enter the 1st string : SVNIT

Enter the 2nd string : svnit

SVNIT svnit
Strings are different.

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Enter the number corresponding to task to run that fun : 8

Enter the 1st string : SVNIT

Enter the 2nd string : NIT

Yes it is a substring from index 2

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Enter the number corresponding to task to run that fun : 9

Enter the 1st string : SVNIT

Enter the 2nd string : Surat

Concatenated string is : SVNIT Surat

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11. exit

Enter the number corresponding to task to run that fun : 10

Enter the size of array : 5

Enter the elements: 5 4 3 2 1

Array reversed successfully : 1 2 3 4 5