

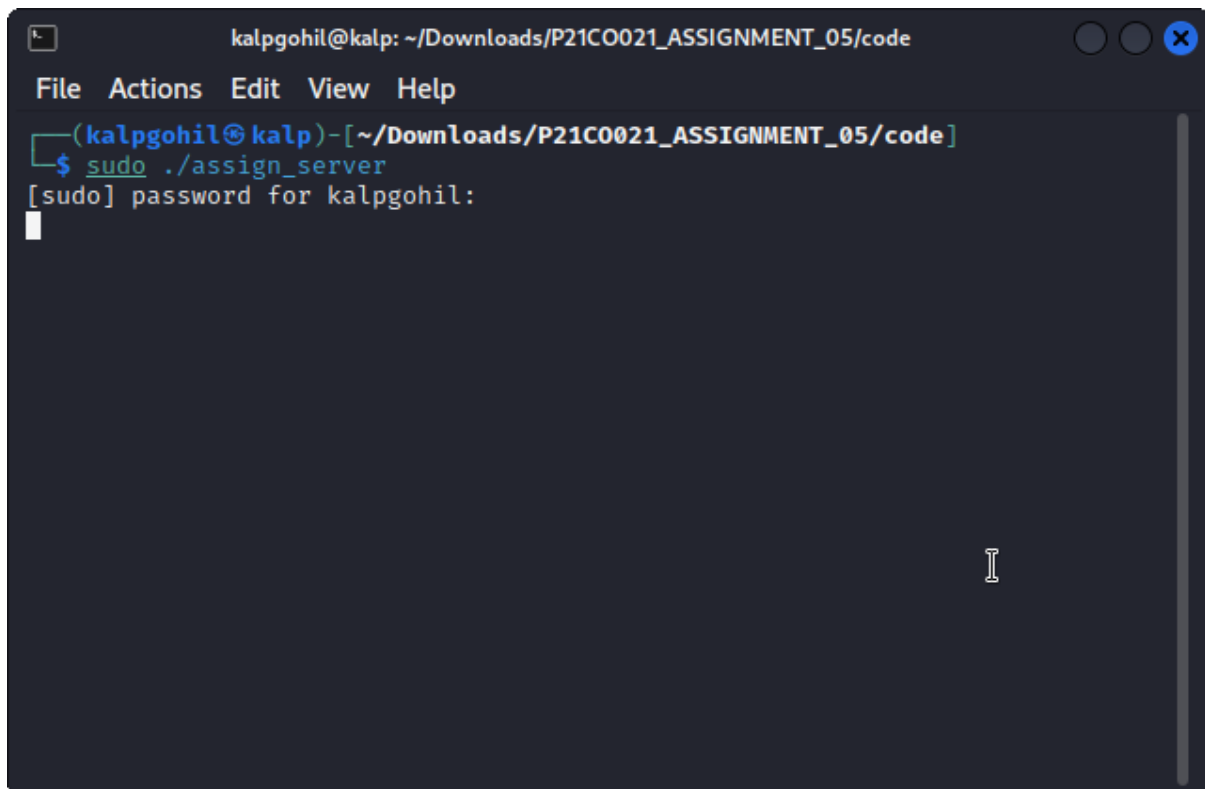
Assignment 5

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

List of programs for RPC

1. Find out the factorial of given number.
2. Implement Calculator (Basic operation).
3. Find out whether given number is Prime Number or not.
4. Print out the Fibonacci series till the given number.
5. Find the maximum value of an array of integers using RPC.

Server:

A terminal window with a dark background and light text. The title bar shows the user 'kalpgohil' at host 'kalp' in the directory '~/Downloads/P21CO021_ASSIGNMENT_05/code'. The menu bar includes 'File', 'Actions', 'Edit', 'View', and 'Help'. The terminal content shows a prompt '(kalpgohil@kalp)-[~/Downloads/P21CO021_ASSIGNMENT_05/code]' followed by the command '\$ sudo ./assign_server'. Below this, it says '[sudo] password for kalpgohil:' with a cursor on the next line.

```
kalpgohil@kalp: ~/Downloads/P21CO021_ASSIGNMENT_05/code
File Actions Edit View Help
(kalpgohil@kalp)-[~/Downloads/P21CO021_ASSIGNMENT_05/code]
$ sudo ./assign_server
[sudo] password for kalpgohil:
█
```

Client:

```
└─$ sudo ./assign_client localhost

1) Find out the factorial of given number.
2) Implement Calculator (Basic operation).
3) Find out whether given number is Prime Number or not.
4) Print out the Fibonacci series till the given number.
5) Find the maximum value of an array of integers using RPC.
6) exit

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

——Factorial——
Home
Enter the number : 5

factorial of 5 is 120

1) Find out the factorial of given number.
2) Implement Calculator (Basic operation).
3) Find out whether given number is Prime Number or not.
4) Print out the Fibonacci series till the given number.
5) Find the maximum value of an array of integers using RPC.
6) exit

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

——Calculator——

Enter data like 2 + 3 : 5 + 7

5 + 7 = 12

1) Find out the factorial of given number.
2) Implement Calculator (Basic operation).
3) Find out whether given number is Prime Number or not.
4) Print out the Fibonacci series till the given number.
5) Find the maximum value of an array of integers using RPC.
6) exit
```

```

Enter the number corresponding to task to run that fun : 3
——Prime——
Enter the number : 7
7 is PRIME

1) Find out the factorial of given number.
2) Implement Calculator (Basic operation).
3) Find out whether given number is Prime Number or not.
4) Print out the Fibonacci series till the given number.
5) Find the maximum value of an array of integers using RPC.
6) exit

Enter the number corresponding to task to run that fun : 4
——Fibonacci——
Enter the number : 5
0 1 1 2 3 5

1) Find out the factorial of given number.
2) Implement Calculator (Basic operation).
3) Find out whether given number is Prime Number or not.
4) Print out the Fibonacci series till the given number.
5) Find the maximum value of an array of integers using RPC.
6) exit

Enter the number corresponding to task to run that fun : 5
——Prime——
Enter the size of array : 5
Enter the elements : 1 5 3 4 2
Max element in the array is : 5

1) Find out the factorial of given number.
2) Implement Calculator (Basic operation).
3) Find out whether given number is Prime Number or not.
4) Print out the Fibonacci series till the given number.
5) Find the maximum value of an array of integers using RPC.
6) exit

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

```