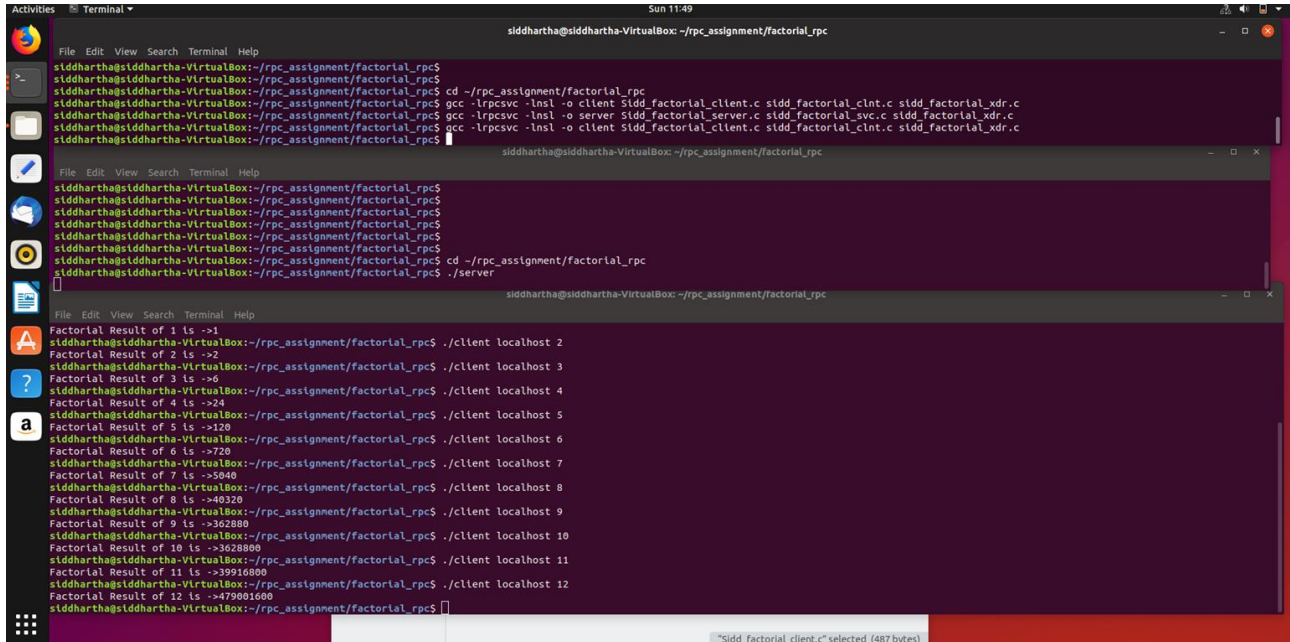


DC ASSIGNMENT –FILL IN THE BLANKS CODE

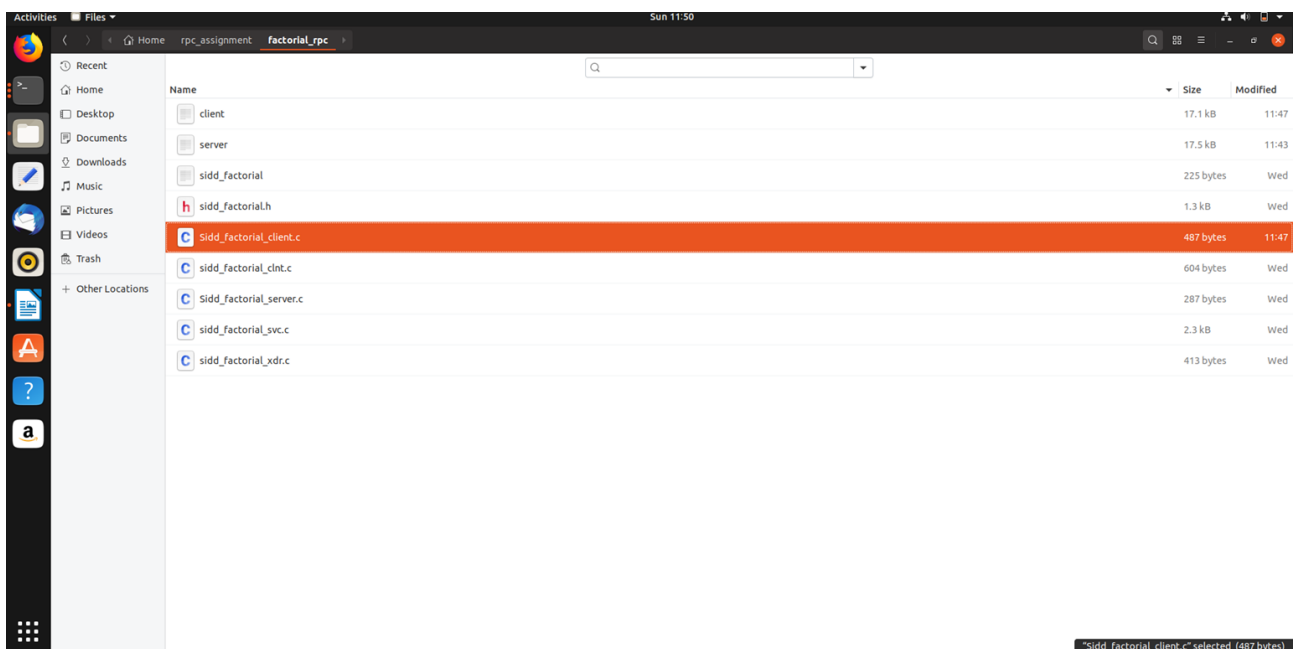
SIDDHARTHA BANERJEE 2017HT13125

1. Screen shot of the Compilation, Client, Server and the output



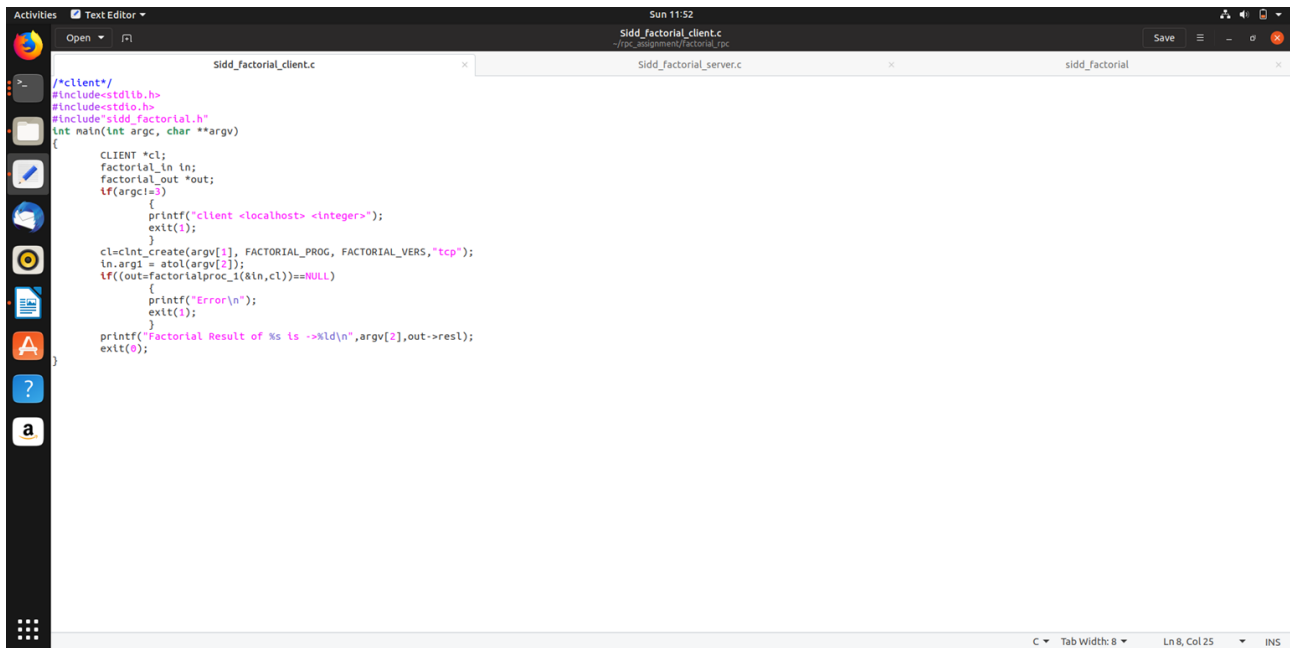
```
siddhartha@siddhartha-VirtualBox: ~/rpc_assignment/factorial_rpc
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ cd ~/rpc_assignment/factorial_rpc
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ gcc -lrpcsvc -lnsl -o client Sidd_factorial_client.c sidd_factorial_clnt.c sidd_factorial_xdr.c
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ gcc -lrpcsvc -lnsl -o server Sidd_factorial_server.c sidd_factorial_svc.c sidd_factorial_xdr.c
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ gcc -lrpcsvc -lnsl -o client Sidd_factorial_client.c sidd_factorial_clnt.c sidd_factorial_xdr.c
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ cd ~/rpc_assignment/factorial_rpc
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ ./server
Factorial Result of 1 is ->1
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ ./client localhost 2
Factorial Result of 2 is ->2
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ ./client localhost 3
Factorial Result of 3 is ->6
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ ./client localhost 4
Factorial Result of 4 is ->24
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ ./client localhost 5
Factorial Result of 5 is ->120
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ ./client localhost 6
Factorial Result of 6 is ->720
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ ./client localhost 7
Factorial Result of 7 is ->5040
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ ./client localhost 8
Factorial Result of 8 is ->40320
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ ./client localhost 9
Factorial Result of 9 is ->362880
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ ./client localhost 10
Factorial Result of 10 is ->3628800
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ ./client localhost 11
Factorial Result of 11 is ->39916800
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$ ./client localhost 12
Factorial Result of 12 is ->479001600
siddhartha@siddhartha-VirtualBox:~/rpc_assignment/factorial_rpc$
```

2. Screen shot of all the codes



Name	Size	Modified
client	17.1 kB	11:47
server	17.5 kB	11:43
sidd_factorial	225 bytes	Wed
sidd_factorial.h	1.3 kB	Wed
Sidd_factorial_client.c	487 bytes	11:47
sidd_factorial_clnt.c	604 bytes	Wed
Sidd_factorial_server.c	287 bytes	Wed
sidd_factorial_svc.c	2.3 kB	Wed
sidd_factorial_xdr.c	413 bytes	Wed

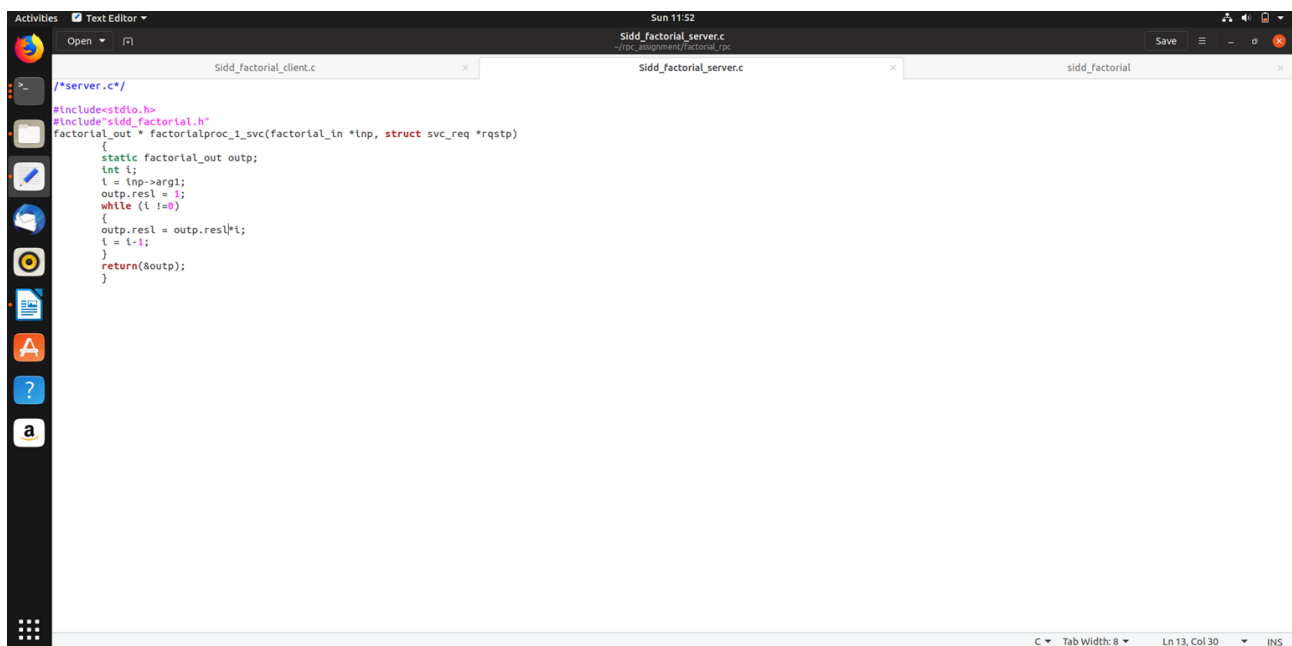
3. Screen shot of all the codes – Client program



The screenshot shows a text editor window titled "Sidd_factorial_client.c" with the following code:

```
/*client*/
#include<stdlib.h>
#include<stdio.h>
#include"sidd_factorial.h"
int main(int argc, char **argv)
{
    CLIENT *cl;
    factorial_in in;
    factorial_out *out;
    if(argc!=3)
    {
        printf("client <localhost> <integer>");
        exit(1);
    }
    cl=clnt_create(argv[1], FACTORIAL_PROG, FACTORIAL_VERS,"tcp");
    in.arg1 = atoi(argv[2]);
    if((out=factorialproc_1(&in,cl))==NULL)
    {
        printf("Error\n");
        exit(1);
    }
    printf("Factorial Result of %s is ->%ld\n",argv[2],out->res1);
    exit(0);
}
```

4. Screen shot of all the codes – Server program



The screenshot shows a text editor window titled "Sidd_factorial_server.c" with the following code:

```
/*server.c*/
#include<stdio.h>
#include"sidd_factorial.h"
factorial_out * factorialproc_1_svc(factorial_in *inp, struct svc_req *rqstp)
{
    static factorial_out outp;
    int i;
    i = inp->arg1;
    outp.res1 = 1;
    while (i !=0)
    {
        outp.res1 = outp.res1*i;
        i = i-1;
    }
    return(&outp);
}
```