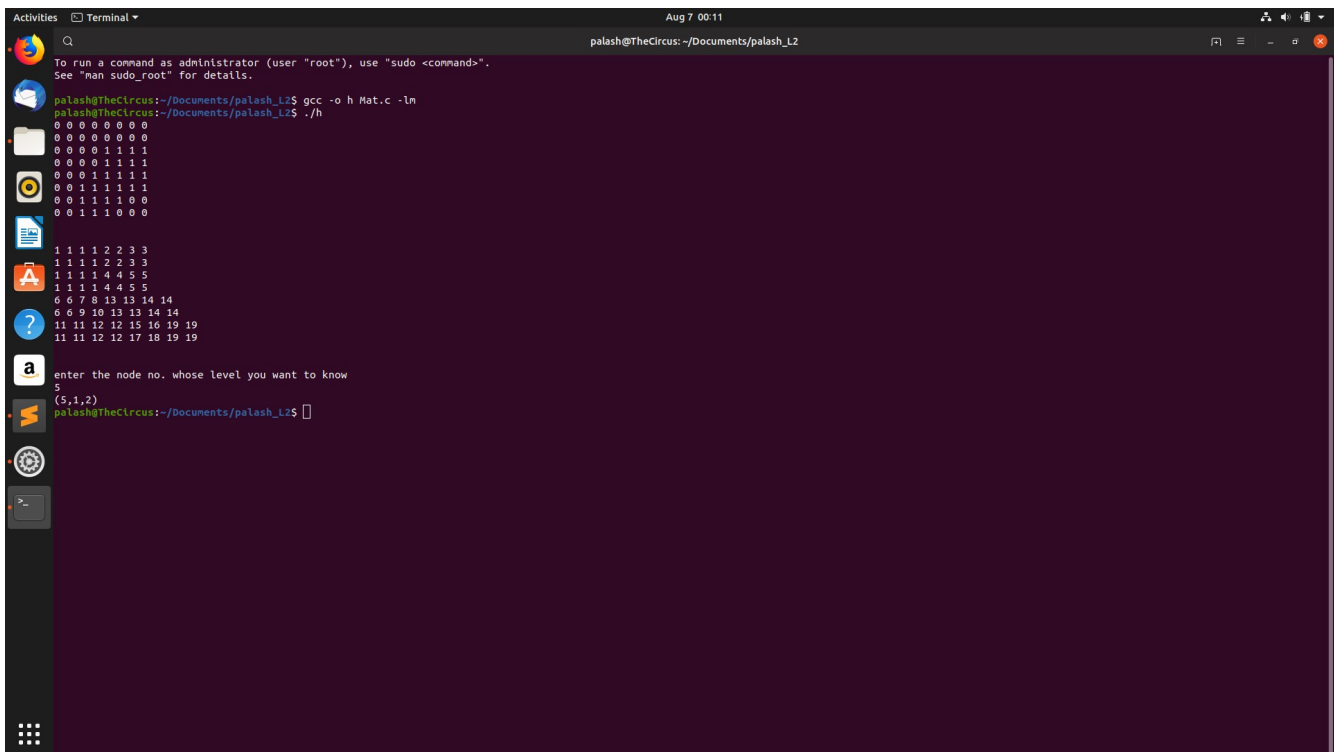


ASSIGNMENT 2

Name – Palash Garg
Roll no.-18114054
Sub batch-O2

Problem 2



```
Activities Terminal Aug 7 00:11
palash@TheCircus: ~/Documents/palash_L2
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
palash@TheCircus:~/Documents/palash_L2$ gcc -o h Mat.c -lm
palash@TheCircus:~/Documents/palash_L2$ ./h
0 0 0 0 0 0 0
0 0 0 0 0 0 0
0 0 0 0 1 1 1
0 0 0 0 1 1 1
0 0 0 1 1 1 1
0 0 1 1 1 1 1
0 0 1 1 1 1 1
0 0 1 1 1 1 1
0 0 1 1 1 0 0
0 0 1 1 1 0 0
1 1 1 1 2 2 3 3
1 1 1 1 2 2 3 3
1 1 1 1 4 4 5 5
1 1 1 1 4 4 5 5
1 1 1 1 4 4 5 5
6 6 7 8 13 13 14 14
6 6 9 10 13 13 14 14
11 11 12 12 15 16 19 19
11 11 12 12 17 18 19 19
enter the node no. whose level you want to know
5
(5,1,2)
palash@TheCircus:~/Documents/palash_L2$
```

problem 1

```
Activities Terminal Aug 7 00:17 palash@TheCircus: ~/Documents/palash_L2
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

palash@TheCircus:~/Documents/palash_L2$ gcc -o k Transpose.c
Transpose.c: In function 'main':
Transpose.c:74:8: warning: passing argument 1 of 'fgets' from incompatible pointer type [-Wincompatible-pointer-types]
fgets(ab,length,f);
^
In file included from Transpose.c:1:
/usr/include/stdio.h:564:14: note: expected 'char * restrict' but argument is of type 'char (*)[(sizetype)(length)]'
extern char *fgets (char *__restrict __s, int __n, FILE *__restrict __stream)
^
palash@TheCircus:~/Documents/palash_L2$ ./k 5 3 2 abc.txt
palash@TheCircus:~/Documents/palash_L2$ gcc -o l decrypted2.c
decrypted2.c: In function 'main':
decrypted2.c:80:8: warning: passing argument 1 of 'fgets' from incompatible pointer type [-Wincompatible-pointer-types]
fgets(ab,length,f);
^
In file included from decrypted2.c:1:
/usr/include/stdio.h:564:14: note: expected 'char * restrict' but argument is of type 'char (*)[(sizetype)(length)]'
extern char *fgets (char *__restrict __s, int __n, FILE *__restrict __stream)
^
palash@TheCircus:~/Documents/palash_L2$ ./l 5 3 2 outputfile.txt
palash@TheCircus:~/Documents/palash_L2$ gcc -o m comparefile.c
comparefile.c: In function 'main':
comparefile.c:41:8: warning: passing argument 1 of 'fgets' from incompatible pointer type [-Wincompatible-pointer-types]
fgets(ab,length,f);
^
In file included from comparefile.c:1:
/usr/include/stdio.h:564:14: note: expected 'char * restrict' but argument is of type 'char (*)[(sizetype)(length)]'
extern char *fgets (char *__restrict __s, int __n, FILE *__restrict __stream)
^
comparefile.c:52:8: warning: passing argument 1 of 'fgets' from incompatible pointer type [-Wincompatible-pointer-types]
fgets(ab,length,f2);
^
In file included from comparefile.c:1:
/usr/include/stdio.h:564:14: note: expected 'char * restrict' but argument is of type 'char (*)[(sizetype)(length)]'
extern char *fgets (char *__restrict __s, int __n, FILE *__restrict __stream)
^
palash@TheCircus:~/Documents/palash_L2$ ./m abc.txt decryptedOutputfile.txt
input and decryptedOutput files are same.
palash@TheCircus:~/Documents/palash_L2$
```