

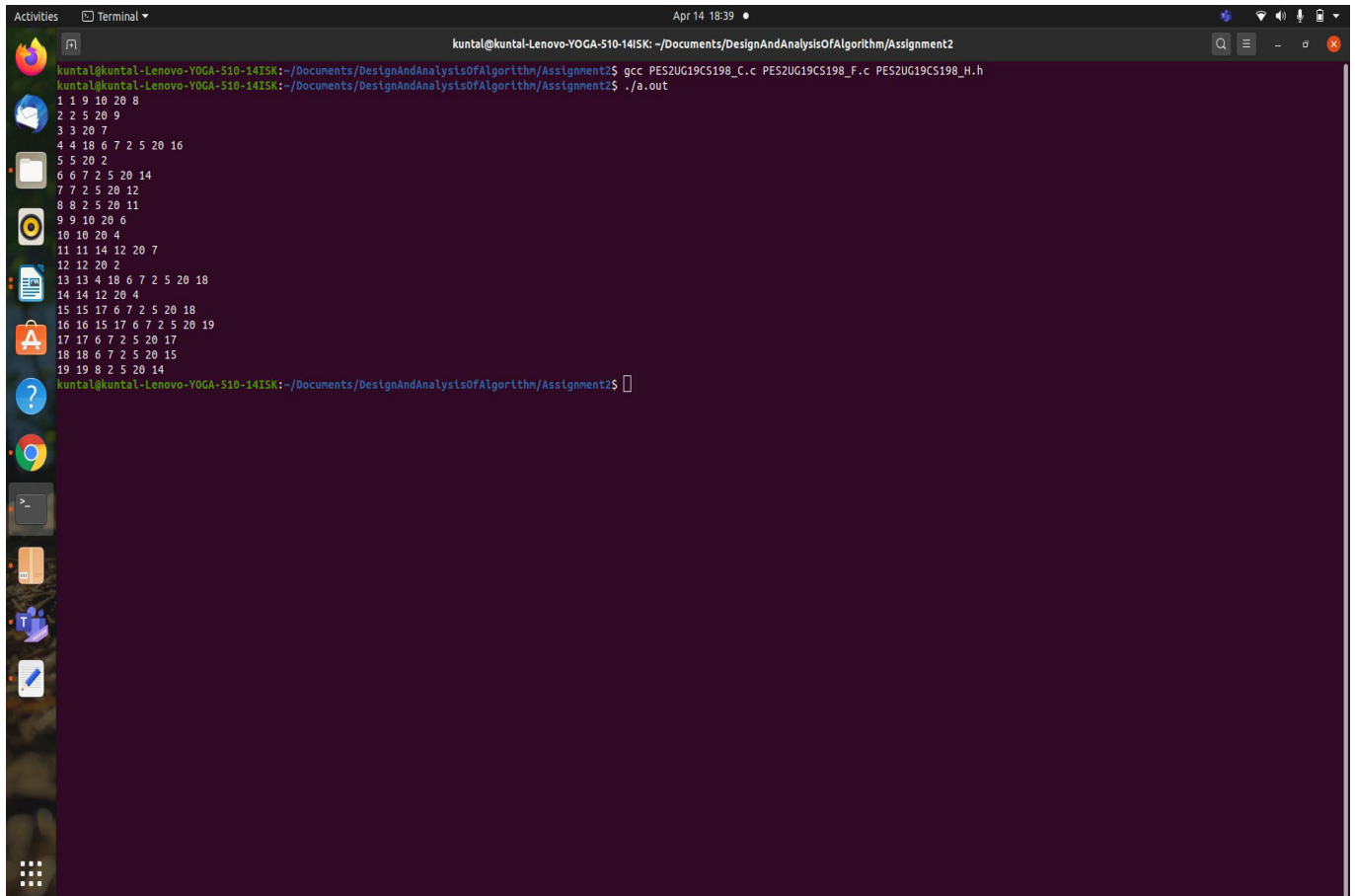
PES UNIVERSITY  
ELECTRONIC CITY CAMPUS

DESIGN AND ANALYSIS OF ALGORITHM

ASSIGNMENT 2-  
IMPLEMENTATION OF DIJAKSTRA  
ALGORITHM

NAME:KUNTAL GORAI  
SRN:PES2UG19CS198  
SECTION:C  
DATE:15-04-2021

# OUTPUT SCREENSHOT



A terminal window on a Linux system showing the compilation and execution of a C++ program. The window title is "kuntal@kuntal-Lenovo-YOGA-510-14ISK: ~/Documents/DesignAndAnalysisOfAlgorithm/Assignment2". The user enters the command `gcc PES2UG19CS198_C.c PES2UG19CS198_F.c PES2UG19CS198_H.h` to compile the program. Then, they enter `./a.out` to run it. The program outputs a list of 19 numbers, each on a new line, representing the results of a calculation. The numbers are: 1, 19, 10, 20, 8; 2, 2, 5, 20, 9; 3, 3, 20, 7; 4, 4, 18, 6, 7, 2, 5, 20, 16; 5, 5, 20, 2; 6, 6, 7, 2, 5, 20, 14; 7, 7, 2, 5, 20, 12; 8, 8, 2, 5, 20, 11; 9, 9, 10, 20, 6; 10, 10, 20, 4; 11, 11, 14, 12, 20, 7; 12, 12, 20, 2; 13, 13, 4, 18, 6, 7, 2, 5, 20, 18; 14, 14, 12, 20, 4; 15, 15, 17, 6, 7, 2, 5, 20, 18; 16, 16, 15, 17, 6, 7, 2, 5, 20, 19; 17, 17, 6, 7, 2, 5, 20, 17; 18, 18, 6, 7, 2, 5, 20, 15; 19, 19, 8, 2, 5, 20, 14.

```
kuntal@kuntal-Lenovo-YOGA-510-14ISK: ~/Documents/DesignAndAnalysisOfAlgorithm/Assignment2
kuntal@kuntal-Lenovo-YOGA-510-14ISK:~/Documents/DesignAndAnalysisOfAlgorithm/Assignment2$ gcc PES2UG19CS198_C.c PES2UG19CS198_F.c PES2UG19CS198_H.h
kuntal@kuntal-Lenovo-YOGA-510-14ISK:~/Documents/DesignAndAnalysisOfAlgorithm/Assignment2$ ./a.out
1 19 10 20 8
2 2 5 20 9
3 3 20 7
4 4 18 6 7 2 5 20 16
5 5 20 2
6 6 7 2 5 20 14
7 7 2 5 20 12
8 8 2 5 20 11
9 9 10 20 6
10 10 20 4
11 11 14 12 20 7
12 12 20 2
13 13 4 18 6 7 2 5 20 18
14 14 12 20 4
15 15 17 6 7 2 5 20 18
16 16 15 17 6 7 2 5 20 19
17 17 6 7 2 5 20 17
18 18 6 7 2 5 20 15
19 19 8 2 5 20 14
kuntal@kuntal-Lenovo-YOGA-510-14ISK:~/Documents/DesignAndAnalysisOfAlgorithm/Assignment2$
```