

COMPILER DESIGN

ASSIGNMENT 1

LEX ANALYSER

Group Member contributions :

- (i) Anirudh (Group Leader) - Formatting the date to the specified requirements.
- (ii) Hardik - Making every sentence starting letter as Capital letter.
- (ii) Himesh - Making the start of every paragraph of the essay with a tab.

Everyone contributed to making the report.

Details of Assignment:

- The input should be written in an “Input.txt” file and then the output will be written in the “Output.txt” file. The names of the files are case-sensitive.
- The month short forms are
"Jan" | "Feb" | "Mar" | "Apr" | "May" | "Jun" | "Jul" | "Aug" | "Sept" | "Oct" | "Nov" | "Dec".
- We closely checked out many cases and also added such input formats like
dd-mm-yyyy, d-mm-yyyy, dd-m-yyyy, d-m-yyyy, dd-mm-yy, d-mm-yy, dd-m-yy, d-m-yy.
- I have also added the screenshots of the Input and Output file in which the report exceeds more than one page.

Contributions:

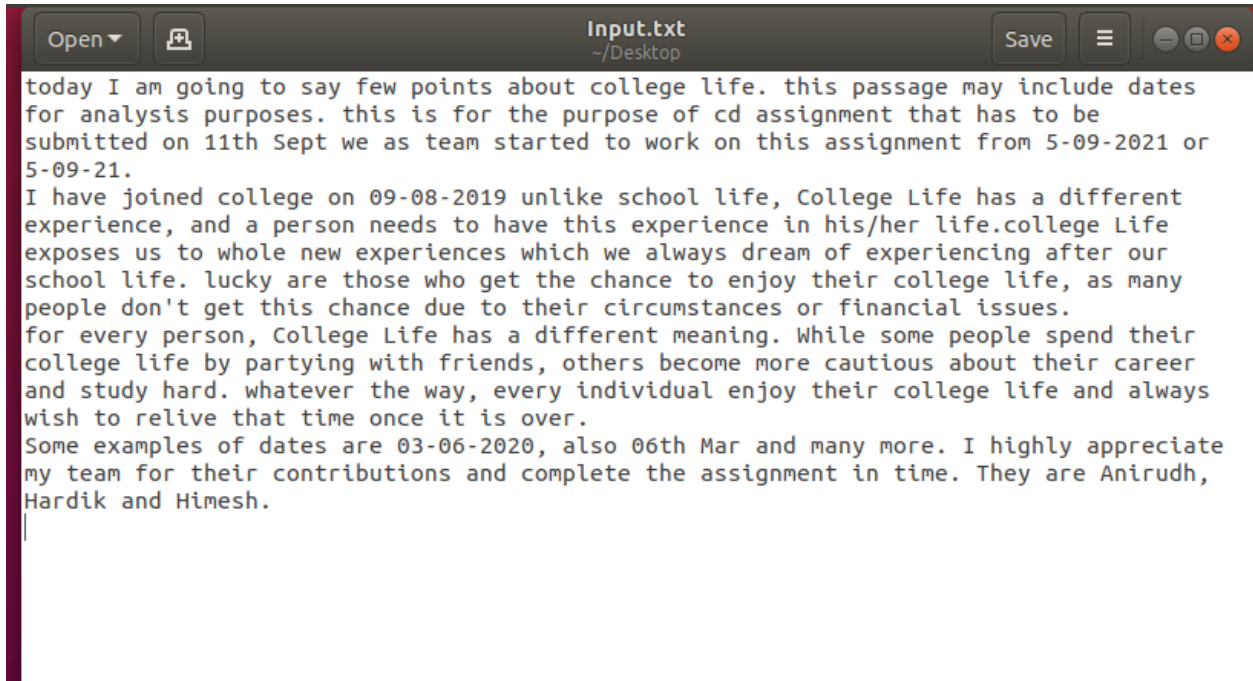
ANIRUDH JAKHOTIA (Group Leader). Roll: S20190010062. CGPA: 9.2.

HARDIK SHARMA Roll: S20190010062 CGPA: 8.3

HIMESH KUMAR Roll: S20190010062 CGPA: 7.1

Average CGPA : $(9.2 + 8.3 + 7.1)/3 = 8.2$

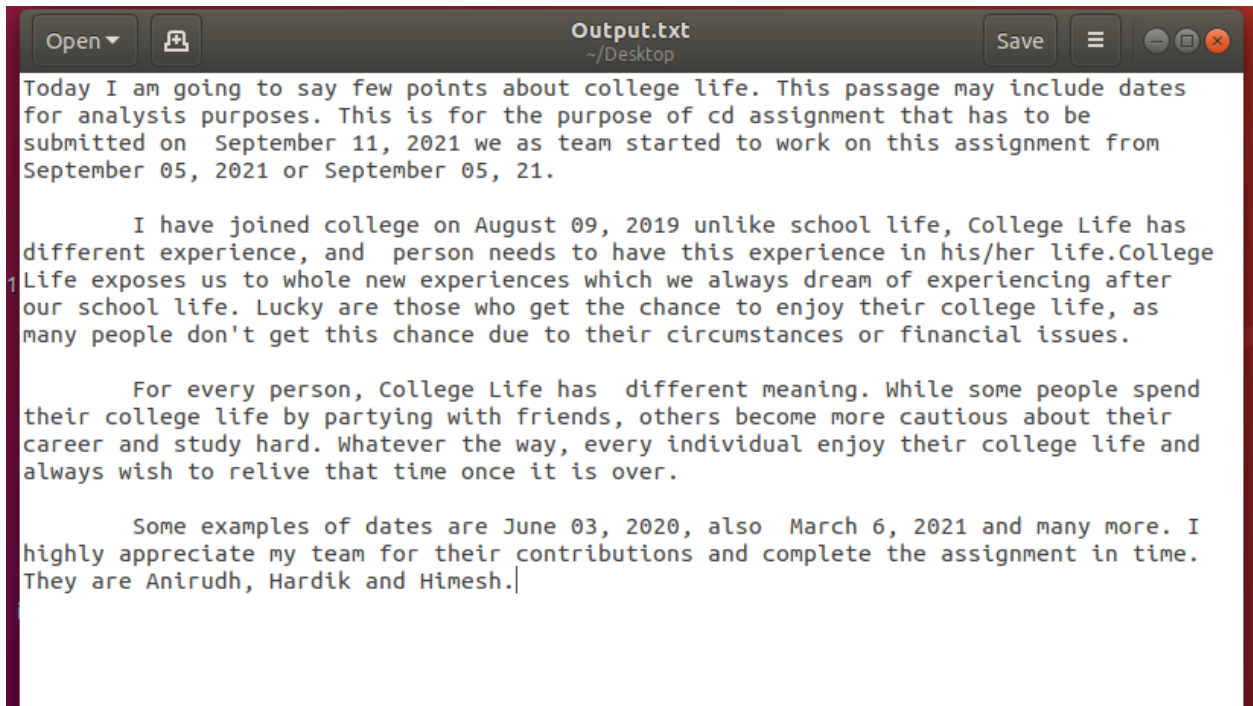
Here is the screenshot of Input:



The screenshot shows a text editor window with the title 'Input.txt' and the path '~/Desktop'. The window contains the following text:

```
today I am going to say few points about college life. this passage may include dates
for analysis purposes. this is for the purpose of cd assignment that has to be
submitted on 11th Sept we as team started to work on this assignment from 5-09-2021 or
5-09-21.
I have joined college on 09-08-2019 unlike school life, College Life has a different
experience, and a person needs to have this experience in his/her life.college Life
exposes us to whole new experiences which we always dream of experiencing after our
school life. lucky are those who get the chance to enjoy their college life, as many
people don't get this chance due to their circumstances or financial issues.
for every person, College Life has a different meaning. While some people spend their
college life by partying with friends, others become more cautious about their career
and study hard. whatever the way, every individual enjoy their college life and always
wish to relive that time once it is over.
Some examples of dates are 03-06-2020, also 06th Mar and many more. I highly appreciate
my team for their contributions and complete the assignment in time. They are Anirudh,
Hardik and Himesh.
```

Here is the screenshot of Output:



The screenshot shows a text editor window with the title 'Output.txt' and the path '~/Desktop'. The window contains the following text:

```
Today I am going to say few points about college life. This passage may include dates
for analysis purposes. This is for the purpose of cd assignment that has to be
submitted on  September 11, 2021 we as team started to work on this assignment from
September 05, 2021 or September 05, 21.

    I have joined college on August 09, 2019 unlike school life, College Life has
different experience, and  person needs to have this experience in his/her life.College
Life exposes us to whole new experiences which we always dream of experiencing after
our school life. Lucky are those who get the chance to enjoy their college life, as
many people don't get this chance due to their circumstances or financial issues.

    For every person, College Life has  different meaning. While some people spend
their college life by partying with friends, others become more cautious about their
career and study hard. Whatever the way, every individual enjoy their college life and
always wish to relive that time once it is over.

    Some examples of dates are June 03, 2020, also  March 6, 2021 and many more. I
highly appreciate my team for their contributions and complete the assignment in time.
They are Anirudh, Hardik and Himesh.
```