

# CS308 - Large Application Practicum

## Assignment 3: Documentation using NaturalDocs

(Group No. : 5)

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### Objectives:

- Understand how the NaturalDocs utility works.
- Understand how to write and improve documentation for code using NaturalDocs.

### Starting of the Assignment:

1. Created our project environment in the following manner: Created a new directory – “Assgn3\_Docs” in our home directory, followed by three sub-directories in it – “src”, “doc”, “config”.
2. Copied all the .cpp and .h files inside the “src” folder.

### Command to run this code:

```
$ perl NaturalDocs -i /home/anand/Lap/Assgn3_Docs/src -o HTML  
/home/anand/Lap/Assgn3_Docs/doc -p /home/anand/Lap/Assgn3_Docs/config
```

### Various Comments structures for Creating Documents:

#### 1. To show function/ class/ constructor:

```
/*
```

```
Function: move           // for class you have to write “Class” instead of Function.  
Move x by dx and y by dy
```

```
Variables:
```

```
dx - Integer
```

```
dy - Integer
```

```
*/
```

#### 2. To show Photo:

```
/*
```

```
Photo:
```

```
(see a.jpg)
```

```
*/
```

**3. To add bullet list:**

```
/*
    List:
        - One
        - Two
        - Three
*/
/***** OR *****/
/*
    List_type2:
        * One
        * Two
        * Three
*/
```

**4. For Linking:**

```
/*
    Link:
        <main>
        <rts>
        <pts>
*/
```

**5. To add code:**

```
/*
(start code)
    ...
    code
    ...
(end)
*/
```

**Note :** We have also added *text file* as well as *makefile* in our source code which has been attached with.