

Practical - 2

AIM: Write a program to implement Breadth first search Traversal on Tree using Python (without using any libraries or packages of python)

- Use class concept of python (Tree Class, Node Class)
- Use class to implement Data structure to be used in program
- Tree & Output should look like below:

```
Tree:

->Electronics
    ->Freeze
        ->Godrez freeze
        ->LG freeze
        ->Samsung freeze
    ->Mobile
        ->Oppo Mobile
        ->Samsung Mobile
        ->Redmi Mobile
        ->Realme Mobile
    ->Smart TV
        ->LG Smart TV
            ->40 inch LG Smart TV
            ->50 inch LG Smart TV
        ->Samsung Smart TV
        ->Panasonic Smart TV
        ->Realme Smart TV
        ->Redmi Smart TV

Search String = 40 inch LG Smart TV
Path:
Electronics->Smart TV->LG Smart TV->40 inch LG Smart TV
Path Cost=3
```