# Praneesh R V CB.SC.U4CYS23036

### Assignment - 2

Qn1,

```
const fs = require('fs');
const filePath = dirname + '/file.txt';
fs.readFile(filePath, function(err, data) {
   if (err) {
      console.error('error while reading file:', err);
      return;
   const words = data.toString().split(' ');
   const freq = {};
   for (let i = 0; i < words.length; i++) {</pre>
      const word = words[i].toLowerCase();
      if (word !== '') {
           if (freq[word] === undefined) {
               freq[word] = 1;
           } else {
               freq[word] = freq[word] + 1;
   console.log('Unique words and frequencies:');
  for (let count in freq) {
       console.log(count + ' : ' + freq[count]);
});
```

#### Output:

#### File.txt content

```
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```

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## Qn2,

```
const fs = require('fs');
const fp = __dirname + '/file.txt';
fs.readFile(fp, function(e, d) {
    if(e) {
        console.log('err', e);
        return;
    }
    const a = d.toString().split(' ');
    let b = [];
    let x = 0;
    while(x<20) {
        b[x]=0;
        x++;
    }
    let y = 0;</pre>
```

Qn3,

```
const fs = require('fs');
const filePath = __dirname + '/file.txt';
let arr = [];
let i = 0;
```

```
while(i < 100) {
    arr[i] = 0;
    i++;
}
let data = fs.readFileSync(filePath);
let words = data.split(' ');

for(let k = 0; k < words.length; k++) {
    let word = words[k];</pre>
```