Experiment No. 10

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Class: BE5 P5
Subject: JavaScript

Javascript code:

```
const prompt = require('prompt-sync')();
const table = parseInt(prompt('Enter an integer: '));
console.log('Name: Prathmesh Bonde, ROLL NO.: 42115');

var length = 10;
var i = 1;
console.log('Multiplication table ' + table + ' using for
loop.');
for (i = 1; i <= length; i++) {
    const result = i * table;
    console.log(`${table} * ${i} = ${result}`);
}

i = 1;
console.log('Multiplication table ' + table + ' using while
loop.');
while (i <= length) {
    const result = i * table;
    console.log(`${table} * ${i} = ${result}`);
    i++;
}

i = 1;
console.log('Multiplication table ' + table + ' using do while
loop.');
do {
    const result = i * table;
    console.log(`${table} * ${i} = ${result}`);
    i++;
} while (i <= length);
```

Output:

```
PS D:\Downloads\SEM7\JS_Expt\Expt_10> node
Expt10.js
Enter an integer: 8
Name: Prathmesh Bonde, ROLL NO.: 42115
Multiplication table 8 using for loop.
8 * 1 = 8
8 * 2 = 16
8 * 3 = 24
8 * 4 = 32
8 * 5 = 40
8 * 6 = 48
8 * 7 = 56
8 * 8 = 64
8 * 9 = 72
8 * 10 = 80
Multiplication table 8 using while loop.
8 * 1 = 8
8 * 2 = 16
8 * 3 = 24
8 * 4 = 32
8 * 5 = 40
8 * 6 = 48
8 * 7 = 56
8 * 8 = 64
8 * 9 = 72
8 * 10 = 80
Multiplication table 8 using do while loop.
8 * 1 = 8
8 * 2 = 16
8 * 3 = 24
8 * 4 = 32
8 * 5 = 40
8 * 6 = 48
8 * 7 = 56
8 * 8 = 64
8 * 9 = 72
8 * 10 = 80
```