**CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY**

**Chandubhai S Patel Institute of Technology**

**U & P U. Patel Department of Computer Engineering**

**Subject Name:** Advanced Web Technology

**Subject Code:** CE354

**Semester:** 5th **Academic Year:** 2023-24

Practical 7

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| **Aim:** | **Create a JavaScript module that exports a class representing a calculator with methods to perform basic arithmetic operations. Import the module in another JavaScript file and use the calculator class to perform calculations.** |
| **Code:** | *//calculator.js file*  class Calculator {    Calculator() {}    preIncrement(*a*) {      return ++*a*;    }    postIncrement(*a*) {      return *a*++;    }    preDecrement(*a*) {      return --*a*;    }    postDecrement(*a*) {      return *a*--;    }    add(*a*, *b*) {      return *a* + *b*;    }    subtract(*a*, *b*) {      return *a* - *b*;    }    divide(*a*, *b*) {      return *a* / *b*;    }    multiply(*a*, *b*) {      return *a* \* *b*;    }  }  module.exports = Calculator;  //main file  const Calculator = require("./calculator.js");  const calc = new Calculator();  console.log(calc.preIncrement(5));  console.log(calc.postIncrement(5));  console.log(calc.preDecrement(6));  console.log(calc.postDecrement(6));  console.log(calc.add(5, 6));  console.log(calc.subtract(5, 6));  console.log(calc.divide(5, 6));  console.log(calc.multiply(5, 6)); |
| **Output:** |  |