Question 8:Design a simple calculator using primitive operations in JavaScript.

```javascript
const prompt=require('prompt-sync')();
// Define variables for the calculator
let num1 = prompt("Enter the first number");
let num2 = prompt("Enter the second number");
let operator = prompt("Enter the operator (+, -, *, /)");
// Convert string inputs to numbers
num1 = Number(num1);
num2 = Number(num2);
// Calculate the result based on the operator entered
let result;
switch(operator) {
case "+":
result = num1 + num2;
break;
case "-":
result = num1 - num2;
break;
case "*":
result = num1 * num2;
break;
case "/":
result = num1 / num2;
break;
default:
result = "Invalid operator";
}
//Output the result to the console
console.log(`The result is: ${result}`);
```

Step 1: Open Command Prompt

Step 2: node filename.js

Output

```
[Enter the first number10
[Enter the second number5
[Enter the operator (+, -, *, /)*
 The result is: 50
```

```
[Enter the first number10
[Enter the second number5
[Enter the operator (+, -, *, /)-
 The result is: 5
```

```
[Enter the first number12
[Enter the second number4
[Enter the operator (+, -, *, /)/
 The result is: 3
```

```
[Enter the first number23
[Enter the second number12
[Enter the operator (+, -, *, /)&
 The result is: Invalid operator
```

```
[Enter the first number10
[Enter the second number12
[Enter the operator (+, -, *, /)+
 The result is: 22
```