

Coding Problem 1

Write a JavaScript program to do the following:

1. Create two variables and assign the values 35 and 5.
2. Perform the following operations:
 - a. Addition
 - b. Subtraction
 - c. Multiplication
 - d. Division
3. Assign the results of these operations into new variables.
4. Display these results in the browser console.

Solution Code:

```
const number1 = 35;
const number2 = 5;

const add_ans = number1 + number2;
console.log(`${number1} + ${number2} = ${add_ans}`);

const sub_ans = number1 - number2;
console.log(`${number1} - ${number2} = ${sub_ans}`);

const mul_ans = number1 * number2;
console.log(`${number1} * ${number2} = ${mul_ans}`);

const dvd_ans = number1 / number2;
console.log(`${number1} / ${number2} = ${dvd_ans}`);
```

Coding problem 2

Q. Write a program to check the given number (const num = 2541;) is odd or even

Solution Code:

```
const num = 2541;

if (num % 2 == 0) {
  console.log("The given number is even.");
} else {
  console.log("The given number is odd.");
}
```

Coding Problem 3

Q. Write a program to find whether the given number is present in the given array or not using the switch case.

Input:

```
const arr = [2,4,5,9,3,1,8];
const num = 5;
```

Solution code:

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```
const arr = [2,4,5,9,3,1,8];
const num = 5;
switch (num) {
  case (arr[0]):
    console.log('num is found');
    break;
  case (arr[1]):
    console.log('num is found');
    break;
  case (arr[2]):
    console.log('num is found');
    break;
  case (arr[3]):
    console.log('num is found');
    break;
  case (arr[4]):
    console.log('num is found');
    break;
  case (arr[5]):
    console.log('num is found');
    break;
  case (arr[6]):
    console.log('num is found');
    break;
  default:
    console.log('num is not found');
}
```