

```
console.log("Question-1:-")

let num1 = parseInt(prompt("Enter first number: "))
let num2 = parseInt(prompt("Enter second number: "))

console.log(`First Number:`,num1)
console.log(`Second Number:`,num2)


console.log(`Addition of two numbers: ${num1 + num2}`)
console.log(`Subtraction of two numbers: ${num1 - num2}`)
console.log(`Multiplication of two numbers: ${num1 * num2}`)
console.log(`Division of two numbers: ${num1 / num2}`)
console.log(`comparing two numbers using > operators: ${num1 > num2}`)
console.log(`comparing two numbers using < operators: ${num1 < num2}`)
console.log(`comparing two numbers using == operators: ${num1 == num2}`)
console.log(`updated value of first number after adding 5 to it: ${num1+=5} `)
```

```
console.log("Question-2:-")

let firstName = prompt("Enter First Name: ")
let lastName = prompt("Enter Last Name: ")
let age = parseInt(prompt("Enter your age: "))
let fullName = firstName+" "+lastName
console.log(`Full-Name:`,fullName);
(age>18) ? console.log("Your are eligilbe for vote") : console.log("Your are not eligible");
```

```
console.log("Question-3:-")

let num = parseInt(prompt("Enter a number: "))

let mod = num % 2

let mul = num ** 2
```

```
console.log(`modulus of number ${mod}`);  
console.log(`exponentiation of number ${mul}`);  
  
(num > 50) ? console.log(num, "Number is Greater than 50") : (num < 50) ? console.log(num,  
"Number is Less than 50") : console.log(num, "Number is equal to 50");  
  
(num % 1) ? console.log("Number is even") : console.log("Number is Odd")
```

```
console.log("Question-4:-")  
  
let number1 = parseInt(prompt("Enter first number:"))  
let number2 = parseInt(prompt("Enter second number:"))  
let number3 = parseInt(prompt("Enter third number:"))  
  
let FirstTwoSum = (`Sum of two numbers:${number1 + number2}`)  
console.log(`Sum of two numbers ${FirstTwoSum}`)  
console.log(FirstTwoSum == number3);  
  
(FirstTwoSum > 50 && number3 > 100) ? console.log("sum of the first two numbers is greater  
than 50 and the third number is greater than 100") : console.log("sum of the first two numbers is not  
greater than 50 and the third number not greater than 100")
```

```
console.log("Question-5:-")  
  
let firstName2 = prompt("Enter First Name: ")  
let lastName2 = prompt("Enter second Name: ")  
let n = parseInt(prompt("Enter a number: "))  
let fullName2 = firstName2+" "+lastName2  
console.log(`FullName: ${fullName2}`);  
console.log(n);  
console.log(`Type of Number: ${typeof n}`)  
n+=10
```

```
console.log(`Updated Number: ${n}`)
```

```
console.log("Question-6:-")
```

```
let totalAmount = parseInt(prompt("Enter a amount: "));
let numb = 15;
let dis = totalAmount / numb;
console.log(`totalAmount is ${totalAmount}`);
console.log(`discount is ${dis}`);
(totalAmount > 150) ? console.log(`you will get 15%discount = ${dis}`) : console.log("your
totalAmount was less than 150, you will not get discount");
console.log(`the total amount you would pay after applying discount is ${totalAmount - dis}`);
```

```
console.log("Question-7:-")
```

```
let sentence=prompt("enter the sentence : ")
let a=sentence
console.log(a);
resen=a.split("").reverse().join("");
console.log(`this is a reversed sentence = ${resen}`);
console.log(`checking the if the reversed string has 15 characters = ${resen.length>15}`);
(a.length || resen.length) ? console.log("original sentence has contain more than 20 char") :
console.log("original sentence has not contain more than 20 char");
```

```
console.log("Question-8:-")
```

```
let numb1=parseInt(prompt("enter the first number :"));
let numb2=parseInt(prompt("enter the first number :"));
console.log(numb1);
console.log(numb2);
console.log(`bitwise & operation of two number is = ${numb1 & numb2} `)
console.log(`bitwise | operation of two number is = ${numb1 | numb2} `)
console.log(`bitwise ^ operation of two number is = ${numb1 ^ numb2} `)
console.log(`bitwise << left shit operation of two number is = ${numb1 << 2} `)
console.log(`bitwise >> right shift operation of two number is = ${numb1 >> 2} `)
```

```
console.log("Question-9:-")
```

```
let agee=parseInt(prompt("enter the age : "));
let salary=parseInt(prompt("enter salary :"));
let credit_card_score=parseInt(prompt("enter the credit card score :"));
console.log(agee);
console.log(salary);
console.log(credit_card_score);

(agee>=21 && salary>30000 || credit_card_score>650) ? console.log("the person is approved
for credit card") : console.log("the person is denied for credit card");
```

```
console.log("Question-10:-")
```

```
let score1=parseInt(prompt("enter first score : "))
```

```
let score2=parseInt(prompt("enter first score : "))
```

```
let score3=parseInt(prompt("enter first score : "))
```

```
console.log(score1);
```

```
console.log(score2);
```

```
console.log(score3);
```

```
let totalScore=score1+score2+score3;
```

```
console.log(totalScore);
```

```
(totalScore>60) ? console.log("student is passed") : console.log("student is failed")
```

```
totalScore+=5;
```

```
console.log(totalScore);
```

```
(totalScore>60) ? console.log("student is passed") : console.log("student is failed");
```