

```
console.log("question 1 : ")
    let num1=parseInt(prompt("enter the first number : "))
    let num2=parseInt(prompt("enter the second number : "))
    console.log(`first number is ${num1}`)
    console.log(`second number is ${num2}`)
    console.log(`Addition of two number is : ${num1+num2}`)
    console.log(`difference of two number is : ${num1-num2}`)
    console.log(`multiplication of two number is : ${num1*num2}`)
    console.log(`division of two number is : ${num1/num2}`)
    console.log(`comparing by using operator > is ${num1>num2}`)
    console.log(`comparing by using operator < is ${num1<num2}`)
    console.log(`comparing by using operator == is ${num1==num2}`)
    num1+=5
    console.log(`the updated value of number 1 after adding 5 is
    ${num1}`)
    console.log("")
```

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```
    console.log("question 2 :");
    let firstName=prompt("enter the first name : ")
    let lastName=prompt("enter the last name : ")
    let age=parseInt(prompt("enter your age"))
    let fullName=firstName+" "+lastName
    console.log(`the fullName = ${fullName}`);
    (age>18) ? console.log("your eligible for vote") :
console.log("your not eligible for vote");
    (fullName.length>10) ? console.log(`the length fullName is
    ${fullName.length}`) : console.log(`full name length is less than 10`)
    console.log("")
```

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```
    console.log("question 3")
    let number=parseInt(prompt("enter the number : "))
    let mod=number%2;
    let expo=number**number;
    console.log(`the modulation of the number is ${mod}`)
    console.log(`the exponential of the number is ${expo}`);
```

```
    (number>50) ? console.log("Number is greter than 50") :  
(number<50) ? console.log("number is less than 50") :  
console.log("number is equal to 50");  
    (number & 1) ? console.log("the number is even") :  
console.log("number is odd")  
    console.log("")
```

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```
console.log("question 4 : ")  
let n1=parseInt(prompt("enter the first number : "))  
let n2=parseInt(prompt("enter the second number : "))  
let n3=parseInt(prompt("enter the third number : "))  
let firstTwoSum=n1+n2;  
console.log(`first two numbers sum is ${firstTwoSum}`);  
console.log(firstTwoSum==n3);  
(firstTwoSum>50 && n3>100) ? console.log("first two number is  
greter than 50 and third number is greter than 100") :  
console.log("first two number is not greter than 50 and third number is  
not greter than 100")  
    console.log("")
```

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```
console.log("question 5 :")
```

```
let fn=prompt("enter first name :")  
let ln=prompt("enter last name :")  
let n=parseInt(prompt("enter the number :"))  
let fulln=fn+ " " +ln;  
console.log(fn);  
console.log(ln)  
console.log(n)  
console.log(`the fullname is  ${fulln}`);  
console.log(`the type of number = ${typeof n}`)  
n+=10  
console.log(`the updated value of the number = ${n}`)  
console.log("")
```

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```
console.log("question 6 :")  
let totalAmount=parseInt(prompt("enter the total amount :"));  
let numb=15;  
let dis=totalAmount/numb;  
console.log(`totalAmount is ${totalAmount}`);
```

```
    console.log(`the 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("")
```

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```
    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
conatin more than 20 char") : console.log("original sentence has not
conatin more than 20 char");
    console.log("")
```

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```
    console.log("question 8 :")
    let number1=parseInt(prompt("enter the first number :"));
    let number2=parseInt(prompt("enter the first number :"));
    console.log(number1);
    console.log(number2);
    console.log(`bitwise & operation of two number is = ${number1 &
number2} `)
    console.log(`bitwise | operation of two number is = ${number1 |
number2} `)
    console.log(`bitwise ^ operation of two number is = ${number1 ^
number2} `)
    console.log(`bitwise << left shit operation of two number is =
${number1 << 2} `)
    console.log(`bitwise >> right shift operation of two number is
= ${number1 >> 2} `)
    console.log("")
```

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```
    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("")
```

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```
    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");
```