B11018022 楊烓榛

```
> var result;
  result='4'+'5';
  console.log(result);
  45
< undefined
> var result;
  result='3'+'2';
  console.log(result);
  32
< undefined
> var result;
  result='6'+'3';
  console.log(result);
  63
< undefined
> var result;
  result='7'+'3';
  console.log(result);
  73
< undefined
> var result;
  result='8'+'2';
  console.log(result);
  82
< undefined
```

```
> const a=3 , b=2
  // less than operator
  console.log(a<2);// false
  console.log(b<3);// tre
```

false	VM246:3

true	VM246:4

‹· undefined

```
> // check if the number is positive
  const number = prompt("enter a number:
```

⊗ Uncaught SyntaxError: Invalid or unexpected token	VM410:2

```
> // check if the number is positive
  const number = prompt("enter a number: ");
  // check if number is greater than 0
  if (number > 0 ){
      // the body of the if statement
      console.log("the number is positive");
  }
  console.log("the if statement is easy");
```

the if statement is easy	VM671:8

‹· undefined

```
> // check if the number if positive, negative or zero
  const number = prompt("enter a number: ")

  //check if the number is greater than 0
  if (number > 0){
      console.log("the number is positive");
  }
  // check if number is 0
  else if (number == 0){
      console.log("the number is 0");
  }
  // if number is neither greater than 0, nor zero
  else{
      console.log("the number is nagative");
  }
  console.log("the if...else if...else statement is easy");
```

the number is 0	VM1702:10

the if...else if...else statement is easy	VM1702:16

‹· undefined

>

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```
console.log(`I love JavaScript.`);
}
```

⊗ Uncaught SyntaxError: Invalid or unexpected token   VM598:2

```
> //program to display text 5 times
  const n = 5;

  //looping from i = 1 to 5
  for (let i = 1; i <= n; i++) {
      console.log(`I love JavaScript.`);
  }
```

⑤ I love JavaScript.   VM645:6

⤶ undefined

```
> //program to display numbers from 1 to 5
  const n = 5;

  //loopinf from i = 1 to 5
  //in each iteration, i is increased by 1
  for (let i = 1; i <= n; i++){
      console.log(i);     //printing the value of i
  }
```

1	VM1199:7
2	VM1199:7
3	VM1199:7
4	VM1199:7
5	VM1199:7

⤶ undefined

```
> // program to display the sum of natural numbers
  let sum = 0;
  const n = 100

  // looping from i = 1 to n
  // in each iteration, i is increased by 1
  for (let i = 1; i <= n; i++) {
      sum += i;  // sum = sum + i
  }

  console.log(`sum:`, sum);
```

sum: 5050   VM1793:11

⤶ undefined

>

這個網頁顯示

Enter a numbers:

yellow

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```
> // Program to find sum of positive numbers

  let num = 0, sum = 0;

  while (num >= 0) {
      // add all positive numbers
      sum += num;

      // take input from the user
      num = (prompt("Enter a numbers: "));

      // loop breaks if num is negative
  }

  // last, display sum
  console.log(`The sum is ${sum}`);
>
```

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```
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```