1.
```
const myDetails = function(name , college , institution, review) {

      const info = 'My name is ' + name + ' I did my college in '
                        + college ;

      const presentStatus = ' I am doing my internship in ' +institution ;

      const internReview = ' I find this internship very ' + review ;

      return info + presentStatus + internReview

      } ;

myDetails( ____ , _____ , _____ , _____ ) ;
```

Fill the missing statements and find the output .

2 . Use these symbols to write a valid code . Symbols are not repeatable .

```
)   '   =   (   ;   { + }   '   ) ; ( ;
```

Use any number of identifiers — to arrive at a valid code .

3.
```
function division (dividend , divisor ){

      let quotient = dividend / divisor ;
      let remainder = dividend % divisor ;

      return quotient ;

};
```

Write execution statement for this expression and find the output .

4.
```
function  sentence(a, b, c, d){

      finalSentence = a + ' ' +b + ' ' +    c + ' ' +   d ;

      return finalSentence

};

      let g = 'Frame' ;
      let h = 'a';
      let i = 'sentence';
      let j = 'on' ;
      let k = 'your';
      let l = 'own' ;

sentence(g, h, i, j, k, l);
```

Is this expression valid ? If Yes what is the output ? If No - Correct the error and find the output.

5.

```
p — ida / string_literal — pk —any value — ps — p — pt
```

```
pa - value — ps — pa — pt
```

What do these represent — Frame two expressions each for this :

6.

```
sq = function(a){
      return a * a ;
};

cu = function (b){
      return b*b*b ;
};

function di(j , k){
      return j / k ;
};

function problem (a , b ){

      integer1 = sq(a);
      integer2 = cu(b);
      integer3 = sq(a*b);
      integer4 = di(a, b);

return (integer1 + integer2 + integer3 + integer4 )

};


const calculation=function (g, h){
      answer = problem (g, h);
      return answer;
};

calculation(10,5);
```

Is this expression valid ? If Yes what is the output ? If No - Correct the error and find the output.

7.

```
function mathematicalOperation = ( a , b )  {

      let sum = a + b ;
      let subtract = a - b ;
      let multiplication = a * b ;
      let division = a / b ;
      let square1 = a * a ;
      let square2 = b * b ;
      let sumAll = sum + subtract + multiplication + division +
                     square1 + square2 ;

      let operations = {
            sum : sum ,
            subtract : subtract ,
            multiplication : multiplication,
            division : division ,
            square1 : square1,
            square2 : square2,
            sumAll : sumAll

      }

      return operations

      }

mathematicalOperation(2,4)
```

Is this expression valid ? If Yes what is the output ? If No - Correct the error and find the output.

8. Class teacher of 10 : C , wanted marks scored by her class students in different subjects to be expressed in form of single expression . Can you help her in doing it .

Class 10 C

Maths - 89 , 90 , 97 , 45, 72 , 80 , 76 .
Science - 93 , 88 , 83 , 54 , 65 , 77 , 70 .
Social Science - 85 , 94 , 87 , 40 , 69 , 70 , 81 .
English - 88 , 84 , 89 , 60 , 79 , 83 , 81 .
Language - 84,87 , 92 , 73 , 80 , 79 , 84 .

9.

5	' internship'	{ fruit : apple, color : Red , }	true	[3, 4, 15, 16, 18]	'23lock'	function add(a , b){ return a + b }

Can this block of elements be represented in the form of an array . Is yes create an array with all these elements .

10.
```
let teamDetails = {
          batsmen : 5 ,
          bowlers : 5 ,
          allRounders : 1 ,
          subs : 4 ,
     };

function teamInfo( a, b, c){
     a.players = b;
     a.order = c ;
     return a;
}

let players11 = [ 'Sachin' , 'Sehwag' , 'Gambhir' , 'Dravid' ,
          'Ganguly' , 'Yuvraj' , 'Harbhajan' , 'Zaheer' ,
          'Nehra' , 'Kumble' , 'Irfan' ]

let battingOrder = {
          '1' : 'Sehwag',
          '2' : 'Gambhir',
          '3' : 'Sachin',
          '4' : 'Dravid',
          '5' : 'Ganguly',
          '6' : 'Yuvraj',
          '7' : 'Irfan',
          '8' : 'Harbhajan',
          '9' : 'Kumble',
          '10': 'Zaheer',
          '11': 'Nehra',
}


teamInfo( teamDetails, players11 , battingOrder)
```

What happens during lexical Analysis ?
Is this a valid program ? If Yes - What is the output ? If No - State the error.

11. const groceryList = {

```
      tomato : '1 kg' ,
      potato : '1/2 kg' ,
      calculatePrice : function (a, c, d){
      _________;
      return a;
      }
};

groceryList.calculatePrice(groceryList ,55,25)
```

Output :

```
groceryList = {
      tomato: '1 kg',
      potato: '1/2 kg',
      calculatePrice: [Function: calculatePrice],
      price: 80
}
```

Find the missing statement .

12 .

```
const add = function (number1 ,number2){
      return number1 + number2 ;
}

const sub = function(number1 ,number2){
      return number1 - number2 ;
}

const mul = function(number1 ,number2){
      return number1 * number2 ;
}

function div(number1 ,number2){
      return number1 / number2
}

const add1 = function ( _function1 ,number1 ,number2){

      function newFn (_function2 ,number1 ,number2){
            return _function2(number1 , number2)
      } ;

      let sum1 = _function1(number1 ,number2) ;

      let diff1 = sub(number2 ,number1) ;

      let ans1 = newFn(mul ,sum1, diff1) ;

      let ans2 = newFn(div,sum1,diff1);

      return add(ans1 , ans2) ;

} ;
```

Check if the function declared above is valid . If yes - what happens when the function is executed using `add1(add,5,6)` ?. If No - What is the error ?