

### Question 1: (5 points)

To build a webpage **test1.html** as below figure (1 point)

Enter the list of positive integer numbers:

Calculator

When the user clicks **calculator button**, show result as below figure (3 points)

Enter the list of positive integer numbers:

Calculator

**max: 44**

**min: 1**

**Sum: 109**

**the list of prime numbers: 7 23**

Show the **error message** (1 point)

Enter the list of positive integer numbers:

Calculator

**input string does not present positive integer numbers**

### Question 2: (5 points)

```
const students=[
  {id:1,firstName:'Bach
thu',lastName:'Ha',PE:5,FE:7,dateofExam:'2/4/2021'},
  {id:2,firstName:'Vu
thi',lastName:'Ba',PE:8,FE:7,dateofExam:'1/6/2020'},
  {id:3,firstName:'Vu
thi',lastName:'an',PE:10,FE:0,dateofExam:'2/4/2021'},
  {id:4,firstName:'Tran',lastName:'Tuan',PE:9,FE:5,dateofExam
:'2/4/2020'},
  {id:5,firstName:'Ngo
Nam',lastName:'Anh',PE:4,FE:4,dateofExam:'2/4/2020'},
];
```

Use html and javascript to build webpage **test2.html** as below figure (1 points)

Show the list of students

Total mark from:  To:

Search by total mark

Enter key:

Search by first name or last name

Date of exam:

Search by date of exam

Sort by total mark

Sort by fullname



When the user clicks 'Show the list of students' button, show result as below figure (2 points)

Show the list of students

Total mark from:  To:

Search by total mark

Enter key:

Search by first name or last name

Date of exam:

Search by date of exam

Sort by total mark

Sort by fullname

### The list of students

ID	FullName	PE	FE	Total	Date of exam
1	Bach thu Ha	5	7	6.2	2/4/2021
2	Vu thi Ba	8	7	7.4	1/6/2020
3	Vu thi an	10	0	4	2/4/2021
4	Tran Tuan	9	5	6.6	2/4/2020
5	Ngo Nam Anh	4	4	4	2/4/2020

When the user clicks 'Search by total mark' button, show result as below figure (1 points)

Show the list of students

Total mark from:  5 To:  7

Search by total mark

Enter key:

Search by first name or last name

Date of exam:

Search by date of exam

Sort by total mark

Sort by fullname

### The list of students

ID	FullName	PE	FE	Total	Date of exam
1	Bach thu Ha	5	7	6.2	2/4/2021
4	Tran Tuan	9	5	6.6	2/4/2020

When the user clicks 'Search by first name or last name' button, show result as below figure (1 points)

Show the list of students

Total mark from:  To:

Search by total mark

Enter key: an

Search by first name or last name

Date of exam:

Search by date of exam

Sort by total mark

Sort by fullname

### The list of students

ID	FullName	PE	FE	Total	Date of exam
3	Vu thi an	10	0	4	2/4/2021
4	Tran Tuan	9	5	6.6	2/4/2020
5	Ngo Nam Anh	4	4	4	2/4/2020

When the user clicks 'Sort by total mark' button, show result as below figure (1 points)

Show the list of students

Total mark from:  To:

Search by total mark

Enter key:

Search by first name or last name

Date of exam:

Search by date of exam

Sort by total mark

Sort by fullname

**The list of students**

ID	FullName	PE	FE	Total	Date of exam
3	Vu thi an	10	0	4	2/4/2021
5	Ngo Nam Anh	4	4	4	2/4/2020
1	Bach thu Ha	5	7	6.2	2/4/2021
4	Tran Tuan	9	5	6.6	2/4/2020
2	Vu thi Ba	8	7	7.4	1/6/2020

When the user clicks 'Sort by fullname' button, show result as below figure (1 points)

Show the list of students

Total mark from:  To:

Search by total mark

Enter key:

Search by first name or last name

Date of exam:

Search by date of exam

Sort by total mark

Sort by fullname

**The list of students**

ID	FullName	PE	FE	Total	Date of exam
3	Vu thi an	10	0	4	2/4/2021
5	Ngo Nam Anh	4	4	4	2/4/2020
2	Vu thi Ba	8	7	7.4	1/6/2020
1	Bach thu Ha	5	7	6.2	2/4/2021
4	Tran Tuan	9	5	6.6	2/4/2020