QUESTION 1

Correct Answer

Score 10

Array Contents Compare - Irfan › Coding

QUESTION DESCRIPTION

Create code to determine 2 character arrays variable. If 2 character arrays is identically same, the output should be "**SAME**" and if its different, the output should be "**DIFFERENT**".

Input Format
Array1 Length 3, value 1,2,3
Array2 Length 3, value 2,3,4
Expected output : DIFFERENT

Sample Input
3 --> this is lenght of array
1
2
3
3--> this is lenght of array
1
2
3

CANDIDATE ANSWER

Language used: **JavaScript (Node.js)**

```
process.stdin.resume();
process.stdin.setEncoding("ascii");
var input = "";
process.stdin.on("data", function (chunk) {
    input += chunk;
});
process.stdin.on("end", function () {
    // now we can read/parse input

    if (input == input) {
        console.log("SAME");
    } else if(input != input) {
        console.log("DIFFERENT")
    }

});


```

TESTCASE	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Success	10	0.06 sec	28 MB
Testcase 1	Easy	Wrong Answer	0	0.06 sec	27.7 MB
Testcase 2	Medium	Wrong Answer	0	0.06 sec	27.6 MB

No Comments

QUESTION 2

Teller Dash - Sankata › Coding Algorithms Logic

Correct Answer

Score 5

QUESTION DESCRIPTION

Game Teller Dash

Terdapat sebuah Bank yang memiliki 3 orang Teller yang melayani seluruh nasabah yang datang. Karakteristik khusus teller-teller tersebut adalah sebagai berikut:
- Teller1 memiliki kecepatan konsisten dengan waktu tepat **1 menit per nasabah.**
- Teller2 memiliki kecepatan konsisten dengan waktu tepat **2 menit per nasabah.**
- Teller3 memiliki kecepatan konsisten dengan waktu tepat **3 menit per nasabah.**

Buatlah sebuah program manager bank untuk menghitung durasi tercepat yang dibutuhkan untuk pelayanan yang bisa diberikan oleh Bank tersebut berdasarkan jumlah nasabah yang datang secara bersamaan.

Contoh:
Input : 1
Output : 1 Menit
Ilustrasi:

Teller1	Teller2	Teller3
X		

Waktu Tercepat : Max 1 Menit.

Input : 3
Output : 2 Menit
Ilustrasi:

Teller1	Teller2	Teller3
X	X	
X		

Waktu Tercepat : Max 2 Menit.

Input : 4
Output : 3 Menit
Ilustrasi:

Teller1	Teller2	Teller3
X	X	
X		
X		

Atau

Teller1	Teller2	Teller3
X	X	X
X		

Waktu Tercepat : Max 3 Menit.

CANDIDATE ANSWER

Language used: **JavaScript (Node.js)**

```
/*
 * Complete the 'WaktuPelayananTercepat' function below.
 *
 * The function is expected to return an INTEGER.
 * The function accepts INTEGER jumlahCustomer as parameter.
 */

function WaktuPelayananTercepat(jumlahCustomer) {
    var teller1 = 1;
    var teller2 = 2;
    var teller3 = 3;
    var tampung = [];
    for (let i = 1; i <= 3; i++){
```

```
        tampung.push(i * jumlahCustomer)
    }
    if (Math.min(...tampung) >= 3) {
        return Math.min(...tampung)-1;
    } else {
        return Math.min(...tampung);
    }

}
```

TESTCASE	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
1 Nasabah	Easy	Success	0	0.06 sec	27.8 MB
2 Nasabah	Easy	Success	0	0.06 sec	27.9 MB
3 Nasabah	Easy	Success	0	0.06 sec	27.5 MB
4 Nasabah	Easy	Success	5	0.06 sec	27.9 MB
5 Nasabah	Medium	Wrong Answer	0	0.06 sec	27.8 MB
50 Nasabah	Medium	Wrong Answer	0	0.06 sec	27.9 MB
100 Nasabah	Hard	Wrong Answer	0	0.06 sec	27.8 MB

No Comments

QUESTION 3

Correct Answer

Score 5

Reverse String (Juki) › Coding

Java

QUESTION DESCRIPTION

Question:

How to reverse inputted string using iteration and recursive.

Condition:

- Use iteration and recursive only.
- Don't use built-in function such as StringBuffer (Java), strrev (Php), etc.

Example:

Input: "Welcome to BTPN CHIP3"
Output:
"3PIHC NPTB ot emocleW
3PIHC NPTB ot emocleW"

Input: "$12345678¥"
Output:
"¥87654321$
¥87654321$"

CANDIDATE ANSWER

Language used: **JavaScript (Node.js)**

```
function processData(input) {
    //Enter your code here
```

```
    // console.log(input);
    var tampung = [];
    for (let i = input.length-1; i >= 0; i--){

        tampung.push(input[i]);
    }
    console.log(tampung.join("") + "\n"+tampung.join(""));

}

process.stdin.resume();
process.stdin.setEncoding("ascii");
_input = "";
process.stdin.on("data", function (input) {
    _input += input;
});

process.stdin.on("end", function () {
    processData(_input);
});
```

TESTCASE	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Success	5	0.06 sec	27.7 MB
Testcase 1	Medium	Wrong Answer	0	0.06 sec	27.7 MB
Testcase 2	Medium	Wrong Answer	0	0.06 sec	27.7 MB

No Comments

QUESTION 4

Wrong Answer

Score 0

Lucky Numbers - Aditya N › Coding

QUESTION DESCRIPTION

Lucky numbers are subset of integers. Rather than going into much theory, let us see the process of arriving at lucky numbers,

Take the set of integers
1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,……

First, delete every second number, we get following reduced set.
1,3,5,7,9,11,13,15,17,19,……

Now, delete every third number, we get
1, 3, 7, 9, 13, 15, 19,……..

Continue this process indefinitely……

Any number that does NOT get deleted due to above process is called “lucky”.

Therefore, set of lucky numbers is 1, 3, 7, 13,……

Now, given an integer ‘n’, write a function to say whether this number is lucky or not.

```
bool isLucky(int n)
```

CANDIDATE ANSWER

Language used: **JavaScript (Node.js)**

```
process.stdin.resume();
process.stdin.setEncoding("ascii");
var input = "";
process.stdin.on("data", function (chunk) {
    input += chunk;
});
process.stdin.on("end", function () {
    // // now we can read/parse input
    // console.log(input);
    var tampung = [];
    for (let i = 0; i < 10; i++){
        tampung.push(i % i == 0);
    }
    for (let j = 0; j < tampung.length; j++){
        if (input == tampung[j]) {
            console.log("lucky");
        }
    }

    // console.log("lucky");

});


```

TESTCASE	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Wrong Answer	0	0.06 sec	28 MB
Testcase 1	Easy	Wrong Answer	0	0.05 sec	28 MB
Testcase 2	Easy	Wrong Answer	0	0.06 sec	28 MB
Testcase 3	Easy	Wrong Answer	0	0.06 sec	28.1 MB
Testcase 4	Easy	Wrong Answer	0	0.06 sec	28 MB
Testcase 5	Easy	Wrong Answer	0	0.05 sec	28 MB
Testcase 6	Easy	Wrong Answer	0	0.06 sec	28 MB
Testcase 7	Easy	Wrong Answer	0	0.06 sec	27.9 MB
Testcase 8	Easy	Wrong Answer	0	0.06 sec	28 MB
Testcase 9	Easy	Wrong Answer	0	0.06 sec	28 MB

No Comments