Aloitettiin	sunnuntai, 11. syyskuuta 2022, 15:31
Tila	Palautettu
Valmis	sunnuntai, 11. syyskuuta 2022, 16:24
Suoritusaika	52 min 18 sekuntia
Pistettä	5,00/5,00
Arvosana	**10,00** pistettä maksimista 10,00 (**100**%)

Kysymys 1

Oikein

Pisteet 1,00 kokonaispisteistä 1,00

Evaluation of a given text is as is shown in the table below:

Grades

Points	Grade
0-10	Fail
11-20	1
21-30	2
31-40	3
41-50	4
51-60	5

Create code for a function that takes points as an input parameter and returns the corresponding grade.

Esimerkiksi:

Testi	Tulos
`grade(1);`	`Fail`
`grade(10);`	`Fail`
`grade(100);`	`5`
`grade(30);`	`2`
`grade(50);`	`4`

Vastaus: (rangaistus: 0 %)

Tyhjennä vastaus

```
function grade(points) {
    // Your code goes here
    if (points <=10) {
     console.log("Fail");
  }
  else if (points>=11 && points<=20){
   console.log("1");
  }
  else if (points>=21 && points<=30){
   console.log("2");
  }
  else if (points>=31 && points<=40){
   console.log("3");
  }
  else if (points>=41 && points<=50){
   console.log("4");
  }
  else if (points>=51 && points<=60){
   console.log("5");
  }
  else {
   console.log("5");
```

	Testi	Odotettu	Saatu tulos	
✔	`grade(1);`	`Fail`	`Fail`	✔

	Testi	Odotettu	Saatu tulos	
✔	`grade(10);`	`Fail`	`Fail`	✔
✔	`grade(100);`	`5`	`5`	✔
✔	`grade(30);`	`2`	`2`	✔
✔	`grade(50);`	`4`	`4`	✔

Kaikki testit läpäisty! ✔

Oikein

Pisteet tälle palautukselle: 1,00/1,00.

Kysymys 2

Oikein

Pisteet 1,00 kokonaispisteistä 1,00

Write code for a function that checks whether given number is odd or even and prints out "[number] is even" or "[number] is odd"

In this task you can assume input to be of correct data type (numeric) and error handling is not necessary.

Esimerkiksi:

Testi	Tulos
`oddOrEven(2);`	`2 is even`
`oddOrEven(5);`	`5 is odd`

Vastaus: (rangaistus: 0 %)

Tyhjennä vastaus

```
function oddOrEven(number) {
    // Your code goes here
    if ((Number(number)%2)==0) {
    console.log(number+" is even");
  }
  else{
      console.log(number+ " is odd");
  }

}
```

	Testi	Odotettu	Saatu tulos	
✔	`oddOrEven(2);`	`2 is even`	`2 is even`	✔
✔	`oddOrEven(5);`	`5 is odd`	`5 is odd`	✔

Kaikki testit läpäisty! ✔

Oikein

Pisteet tälle palautukselle: 1,00/1,00.

Kysymys 3

Oikein

Pisteet 1,00 kokonaispisteistä 1,00

Write code for function that checks given number and prints out "Number is positive", "Number is negative" or "Number is zero" respectively.

In this task you can assume input to be of correct data type (numeric) and error handling is not necessary.

Esimerkiksi:

Testi	Tulos
`negativeOrPositive(0);`	`Number is zero`
`negativeOrPositive(1);`	`Number is positive`
`negativeOrPositive(-1);`	`Number is negative`

Vastaus: (rangaistus: 0 %)

Tyhjennä vastaus

```
function negativeOrPositive(number){
    // Your code goes here
    if ((Number(number))==0) {
    console.log("Number is zero");
  }
  else if ((Number(number))<0){
   console.log("Number is negative");
  }
  else {
      console.log("Number is positive");
  }

}
```

	Testi	Odotettu	Saatu tulos	
✔	`negativeOrPositive(0);`	`Number is zero`	`Number is zero`	✔
✔	`negativeOrPositive(1);`	`Number is positive`	`Number is positive`	✔
✔	`negativeOrPositive(-1);`	`Number is negative`	`Number is negative`	✔

Kaikki testit läpäisty! ✔

Oikein

Pisteet tälle palautukselle: 1,00/1,00.

Kysymys 4

Oikein

Pisteet 1,00 kokonaispisteistä 1,00

Write code for a function calculate() that accepts three parameters: number1, number2 and calculation. Calculation is +, -, / or *. Function prints out the result of the calculation.

Esimerkiksi:

Testi	Tulos
`calculate(1, 1, '+');`	2
`calculate(10, 1, '-');`	9
`calculate(10, 0, '*');`	0
`calculate(10, 5, '/');`	2

Vastaus: (rangaistus: 0 %)

Tyhjennä vastaus

```
function calculate(number1, number2, calculation) {
    // Your code goes here
    switch(calculation) {
case "+":
console.log(Number(number1)+Number(number2));
break;
case "-":
console.log(Number(number1)-Number(number2));
break;
case "*":
console.log(Number(number1)*Number(number2));
break;
case "/":
console.log(Number(number1)/Number(number2));
break;
default:
break;
}

}
```

	Testi	Odotettu	Saatu tulos	
✔	`calculate(1, 1, '+');`	2	2	✔
✔	`calculate(10, 1, '-');`	9	9	✔
✔	`calculate(10, 0, '*');`	0	0	✔
✔	`calculate(10, 5, '/');`	2	2	✔

Kaikki testit läpäisty! ✔

Oikein

Pisteet tälle palautukselle: 1,00/1,00.

Kysymys 5

Oikein

Pisteet 1,00 kokonaispisteistä 1,00

Write code for a function calculateDiscount() that calculates a discount for a given price. Function takes one input parameter, price, and prints out the discounted price with two decimals. Discount percentages are dependent on the price according to the table below:

Discounts

Price (€)	Discount (%)
< 50	0
51-100	10
101-500	20
> 500	50

Esimerkiksi:

Testi	Tulos
`calculateDiscount(51);`	`45.90`
`calculateDiscount(125);`	`100.00`
`calculateDiscount(1050);`	`525.00`

Vastaus: (rangaistus: 0 %)

Tyhjennä vastaus

```
function calculateDiscount(price) {
    // Your code goes here
    if(Number(price)<=50){
        console.log((Number(price)-(Number(price)*(0/100))).toFixed(2)
    }
    else if(Number(price)>=51 && Number(price)<=100){
        console.log((Number(price)-(Number(price)*(10/100))).toFixed(2
    }
    else if(Number(price)>=101 && Number(price)<=500){
        console.log((Number(price)-(Number(price)*(20/100))).toFixed(2
    }
    else{
        console.log((Number(price)-(Number(price)*(50/100))).toFixed(2
    }
}
```

	Testi	Odotettu	Saatu tulos	
✔	`calculateDiscount(51);`	`45.90`	`45.90`	✔
✔	`calculateDiscount(125);`	`100.00`	`100.00`	✔
✔	`calculateDiscount(1050);`	`525.00`	`525.00`	✔
✔	`calculateDiscount(5);`	`5.00`	`5.00`	✔

	Testi	Odotettu	Saatu tulos	
✔	`calculateDiscount(45613);`	`22806.50`	`22806.50`	✔

Kaikki testit läpäisty! ✔

Oikein

Pisteet tälle palautukselle: 1,00/1,00.

◄ Task 2.1: Conditionals

Siirry...

Task 2.3. Feedback for Conditionals Section ►