

Problem Statement:

1. JavaScript Program to Add Two Numbers
2. JavaScript Program to Calculate the Area of a Triangle
3. JavaScript Program to Swap Two Variables
4. Javascript Program to Check if a Number is Odd or Even
5. JavaScript Program to Find the Largest Among Three Numbers
6. JavaScript Program to Check Prime Number
7. JavaScript Program to Make a Simple Calculator

8. Harry and Salman are trying to compare their BMI (Body Mass Index), which is calculated using the formula:

$BMI = \text{mass} / \text{height}^2 = \text{mass} / (\text{height} * \text{height})$. (mass in kg and height in meter).1.

Store Harry's and Salman's mass and height in variables2. Calculate both their BMIs3.

Create a boolean variable containing information about whether Harry has a higher BMI than Salman.

4. Print a string to the console containing the variable from step

3. (Something like "Is Harry's BMI higher than Salman's? true").

9. Salman and Mike both play basketball in different teams.

In the latest 3 games, Salman's team scored 89, 120 and 103 points, while Mike's team scored 116, 94 and 123 points.

1. Calculate the average score for each team

2. Decide which teams wins in average (highest average score), and print the winner to the console.

Also include the average score in the output.

3. Then change the scores to show different winners.

Don't forget to take into account there might be a draw (the same average score)

4. EXTRA: Mary also plays basketball, and her team scored 97, 134 and 105 points.

Like before, log the average winner to the console. HINT: you will need the && operator to take the decision.

If you can't solve this one, just watch the solution, it's no problem :)

Output Screen for Problem 1 to 6

Javascript Arithmetic Operation

Program to Add Two Numbers

First number

Second number

4 + 2 is 6

Program to Calculate the Area of a Triangle

Enter the height

Enter the base

Area of triangle (h*b)/2 : 7.5

Program to Swap Two Variables

Enter A

Enter B

Now value of A : 8 & B : 4

Program to Check if a Number is Odd or Even

Enter a number

5 is an Odd number

Find the Largest Among Three Numbers

First number

Second number

Third number

664 is the largest number.

Program to Check Prime Number

Enter a number

3 is a Prime Number

Output Screen of Calculator problem – Qn 7

C:/Users/DELL/Abstract/React/JS/assignment/calculator.html

HR Steps to change the... gobeyondskool/cla...

Calculator Program Using JavaScript

<input type="button" value="C"/>	<input type="text"/>		
<input type="button" value="+"/>	<input type="button" value="1"/>	<input type="button" value="2"/>	<input type="button" value="3"/>
<input type="button" value="-"/>	<input type="button" value="4"/>	<input type="button" value="5"/>	<input type="button" value="6"/>
<input type="button" value="*"/>	<input type="button" value="7"/>	<input type="button" value="8"/>	<input type="button" value="9"/>
<input type="button" value="/"/>	<input type="button" value="."/>	<input type="button" value="0"/>	<input type="button" value="="/>

Output Screen of problem 8 and 9

Problem Statement 8 and 9 Using JavaScript

BMI Program

Harry's

Height	Weight	BMI
1.53	60	25.63

Salman's

Height	Weight	BMI
1.82	80	24.15

[Compare](#)

Is Harry's BMI higher than Salman's? True

Score Program

Salman's Score

Game1	Game3	Game3
89	120	103

Mike's Score

Game1	Game2	Game3
116	94	123

Mary's Score

Game1	Game2	Game3
97	134	105

[Calculate](#)

Salman team Average: 104
Mike team Average: 111
Mary team Average: 112
Winner: Mary team is winning

Console screen

Problem Statement 8 and 9 Using JavaScript

BMI Program

Harry's

Height	Weight	BMI
1.53	60	25.63

Salman's

Height	Weight	BMI

Score Program

Salman's Score

Game1	Game3	Game3
89	120	103

Mike's Score

Game1	Game2	Game3

Identify your project's root folder to open source files in Visual Studio Code and sync changes. [Set root folder](#) [Don't show again](#)

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```
Is Harry's BMI higher than Salman's? True
Salman team Average: 104
Mike team Average: 111
Mary team Average: 112
Winner : Mary team is winning
```