Solution Review: Method to Check Sum

In this review, solution of the challenge 'Method to Check Sum' from the previous lesson is provided.

We'll cover the following

Solution: Do you know your maths?

```
class challenge_one{
  public static int checkSum(int one, int two){
    //Write your code here
    //Declare the necessary variable
    int check;
    int sum= one+two;
    if(sum<100)
      check = 0;
    else if(sum>100)
      check=1;
    else
       check=2;
    //Change the return variable as well
    return check;
  }

  public static void main(String[] args){
    int answer=checkSum(100,110);
    System.out.println("The value of check is: "+answer);

    answer=checkSum(100,0);
    System.out.println("The value of check is: "+answer);

    answer=checkSum(100,-110);
    System.out.println("The value of check is: "+answer);

  }
}
```

Understanding the code

Line 5: Declare a variable called **check** which will store the **integer** value `0` `1` or

`2`, depending on the condition.

Line 6: Declare an **int** variable called **sum**. In this variable, calculate and store, the sum of the two parameters given, `one` and `two`.

Line 7:

- This marks the start of the conditional block
- The `if` condition evaluates whether the **value** of *sum* is *less than 100*.
- If the condition is met, it proceeds to Line 8, otherwise it skips down to Line 9.

Line 8: As per problem statement, the value of **check** is set to `0`.

Line 9:

- Provided that the first condition is not met on Line 7, this condition is checked.
- This conditional block checks **if** the value of *sum* is **greater than 100**, then proceed to Line 10, otherwise skip down to Line 11.

Line 10: As per problem statement, the value of **check** is set to `1`.

Line 11: This statement is an **else** block which basically means that provided that both conditions are unfulfilled, then this block of code between the two curly brackets `{}` must be executed.

Line 12: The value of **check** is set to `2` as per question guidelines.

Line 14: The **check** variable is *returned* to the method calling the `checkSum()` method.

Let's solve another challenge in the upcoming lesson.