

# Solution Review: Multiple Return Values

This lesson discusses the solution to the challenge given in the previous lesson.

```
package main
import (
    "fmt"
)

func SumProductDiff(i, j int)(s int, p int, d int) {
    s, p, d = i + j, i * j, i - j
    return
}

func main() {
    sum, prod, diff := SumProductDiff(3, 4)
    fmt.Println("Sum:", sum, "| Product:", prod, "| Diff:", diff)
}
```



Multiple Return Values

In the code above, at **line 6**, there is a function header: `SumProductDiff(i, j int)(s int, p int, d int)`. It means that `SumProductDiff` takes two integer parameters `i` and `j` and returns three values: `s` (sum of `i` and `j`), `p` (product of `i` and `j`), and `d` (difference between `i` and `j`). At **line 7**, we are calculating the sum as `s=i+j`, product as `p=i*j` and difference as `d=i-j`. Now, look at the `main`. At **line 12**, we are calling `SumProductDiff` for values `3` and `4`, and storing return values in `sum`, `product` and `difference` variables. At **line 13**, we are printing the variables to verify the results.

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That's it about the solution. In the next lesson, you'll be attempting another challenge.