

Go Functions

WASA: Web and Software Architecture

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Functions

```
package main
import "fmt"
func add(x int, y int) int {
    return x + y
}

func main() {
    fmt.Println(add(42, 13))
}
```

- note that types are after

Multiple return values

```
package main
import "fmt"
func divide(x int, y int) (int, int) {
    return x / y, x % y
}

func main() {
    fmt.Println(divide(7, 3)) // 2 1
}
```

Named return values

```
package main
import "fmt"
func divide(x int, y int) (div int, mod int) {
    div = x / y
    mod = x % y
    return
}

func main() {
    fmt.Println(divide(7, 3)) // 2 1
}
```