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## 1. Function Return Value

```
1 function sum(int $first, int $second): int
2 {
3     $total = $first + $second;
4     return $total;
5 }
6
7 $result = sum(10, 10);
8 var_dump($result);
9
10 $result = sum(100, 100);
11 var_dump($result);
```

```
PS D:\Kampus\STMIK\Materi\Genap 2022-2023\Pemrograman Web\Teori\Tugas 4\Source Code> php .
\FunctionReturnValue.php
int(20)
int(200)
```

```
1 function getFinalValue(int $value): string
2 {
3     if ($value >= 80) {
4         return "A";
5     } else if ($value >= 70) {
6         return "B";
7     } else if ($value >= 60) {
8         return "C";
9     } else if ($value >= 50) {
10        return "D";
11    } else {
12        return "E";
13    }
14
15    echo "Ups" . PHP_EOL;
16 }
```

```
PS D:\Kampus\STMIK\Materi\Genap 2022-2023\Pemrograman Web\Teori\Tugas 4\Source Code> php .
\FunctionReturnValue.php
string(1) "A"
string(1) "E"
```

## 2. Variable Function

```
1  function foo()
2  {
3      echo "Foo" . PHP_EOL;
4  }
5
6  function bar()
7  {
8      echo "Bar" . PHP_EOL;
9  }
10
11 $functionYangAkanDipanggil = "foo";
12 $functionYangAkanDipanggil();
13
14 $functionYangAkanDipanggil = "bar";
15 $functionYangAkanDipanggil();
16
17 function sayHello(string $name, $filter)
18 {
19     $finalName = $filter($name);
20     echo "Hello $finalName" . PHP_EOL;
21 }
22
23 sayHello("Eko", "strtoupper");
24 sayHello("Eko", "strtolower");
25
```

```
PS D:\Kampus\STMIK\Materi\Genap 2022-2023\Pemrograman Web\Teori\Tugas 4\Source Code> php .\VariableFunction.php
Foo
Bar
Hello EKO
Hello eko
```

### 3. Variable Scope

```
1 $name = "Eko"; // global scope
2
3 function sayHello()
4 {
5     global $name; // global keyword
6     echo $name . PHP_EOL;
7
8     echo $GLOBALS["name"] . PHP_EOL;
9 }
10
11 sayHello();
```

```
PS D:\Kampus\STMIK\Materi\Genap 2022-2023\Pemrograman Web\Teori\Tugas 4\Source Code> php .\VariableScope.php
Eko
Eko
```

```
1 function createName()
2 {
3     $name = "Eko"; // local scope
4 }
5
6 createName();
7 echo $name . PHP_EOL;
8
```

```
1 function increment()
2 {
3     static $counter = 1; // static scope
4     echo "Counter = $counter" . PHP_EOL;
5     $counter++;
6 }
7
8
9 increment();
10 increment();
11 increment();
12 increment();
13 increment();
14 increment();
```

```
PS D:\Kampus\STMIK\Materi\Genap 2022-2023\Pemrograman Web\Teori\Tugas 4\Source Code> php .\VariableStaticScope.php
Counter = 1
Counter = 2
Counter = 3
Counter = 4
Counter = 5
Counter = 6
```