

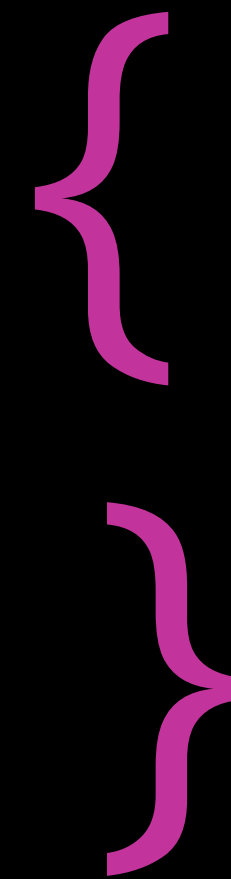
Functions

Functions

Self-contained chunks of code that perform a specific task

Reusability and maintenance

Can be enhanced receiving or returning values



```
let userName = "Danilo"  
let today = "Jul 9 1984"  
let message = "Hello \(userName), today is \(today)"  
print (message)
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let userName = "Danilo"
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let today = "Jul 9 1984"
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```
let message = "Hello \${userName}, today is \${today}"
```

```
print (message)
```

Hello Danilo, today is Jul 9 1984

```
let userName = "Danilo"
let today = "Jul 9 1984"
let message = "Hello \(userName), today is \(today)"
print (message)           Hello Danilo, today is Jul 9 1984
```

```
let userName = "Gilles"
let today = "Feb 30 1948"
let message = "Hello \(userName), today is \(today)"
print (message)           Hello Gilles, today is Feb 30 1948
```



```
let userName = "Danilo"
let today = "Jul 9 1984"
let message = "Hello \(userName), today is \(today)"
print (message)                Hello Danilo, today is Jul 9 1984
```

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let userName = "Danilo"
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// Declaring a function to reuse the code block

```
func greetingUser () {
    let userName = "Danilo"
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// Calling the function
greetingUser()
```

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Hello Danilo, today is Jul 9 1984

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// Calling the function

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greetingUser()
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Hello Danilo, today is Jul 9 1984

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Hello Danilo, today is Jul 9 1984

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let userName = "Danilo"
let today = "Jul 9 1984"
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print (message)

// Declaring a function that receives parameters
func greetingUser (name: String, date: String) {
    let userName = name
    let today = date
    let message = "Hello \(userName), today is \(today)"

    print (message)
}

// Calling the function
greetingUser()
greetingUser()
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let userName = "Danilo"
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func greetingUser (name: String, date: String) {
    let userName = name
    let today = date
    let message = "Hello \(userName), today is \(today)"

    print (message)
}

// Calling the function
greetingUser(name: "Danilo", date:"Jul 9 84")
greetingUser()
```

```
let userName = "Danilo"
let today = "Jul 9 1984"
let message = "Hello \(userName), today is \(today)"
print (message)
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// Declaring a function that receives parameters

```
func greetingUser (name: String, date: String) {
    let userName = name
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```

// Calling the function

```
greetingUser(name: "Danilo", date: "Jul 9 84")
greetingUser()
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let userName = "Danilo"
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func greetingUser (name: String, date: String) {
    let userName = name
    let today = date
    let message = "Hello \(userName), today is \(today)"

    print (message)
}
```

```
// Calling the function
```

```
greetingUser(name: "Danilo", date:"Jul 9 84")    Hello Danilo, today is Jul 9 84
greetingUser()
```

```
let userName = "Danilo"
let today = "Jul 9 1984"
let message = "Hello \(userName), today is \(today)"
print (message)
```

// Declaring a function that receives parameters

```
func greetingUser (name: String, date: String) {
    let userName = name
    let today = date
    let message = "Hello \(userName), today is \(today)"

    print (message)
}
```

// Calling the function

```
greetingUser(name: "Danilo", date:"Jul 9 84")    Hello Danilo, today is Jul 9 84
greetingUser(name: "Gilles", date:"Mar 3 48")    Hello Gilles, today is Mar 3 48
```

```
let userName = "Danilo"
let today = "Jul 9 1984"
let message = "Hello \(userName), today is \(today)"
print (message)
```

```
// Declaring a function that receives parameters
func greetingUser (name: String, date: String) {
    let userName = name
    let today = date
    let message = "Hello \(userName), today is \(today)"

    print (message)
}
```

```
// Calling the function
```

```
greetingUser(name: "Danilo", date:"Jul 9 84")    Hello Danilo, today is Jul 9 84
greetingUser(name: "Gilles", date:"Mar 3 48")    Hello Gilles, today is Mar 3 48
```

```
let userName = "Danilo"
let today = "Jul 9 1984"
let message = "Hello \(userName), today is \(today)"
print (message)
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// Declaring a function that receives parameters
func greetingUser (name: String, date: String) {
    let userName = name
    let today = date
    let message = "Hello \(userName), today is \(today)"

    print (message)
}
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// Calling the function
greetingUser(name: "Danilo", date:"Jul 9 84")    Hello Danilo, today is Jul 9 84
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```
// Declaring a function that receives parameters
func greetingUser (name: String, date: String) {
    let userName = name
    let today = date
    let message = "Hello \(userName), today is \(today)"

    print (message)
}

// Calling the function
greetingUser(name: "Danilo", date:"Jul 9 84")  Hello Danilo, today is Jul 9 84
```

```
// Declaring a function that returns a value
func greetingUser (name: String, date: String) -> String {
    let userName = name
    let today = date
    let message = "Hello \ (userName), today is \ (today)"

    return message
}

// Calling the function
greetingUser(name: "Danilo", date:"Jul 9 84")  Hello Danilo, today is Jul 9 84
```

// Declaring a function that returns a value

```
func greetingUser (name: String, date: String) -> String {  
    let userName = name  
    let today = date  
    let message = "Hello \$(userName), today is \$(today)"  
  
    return message  
}
```

// Calling the function

```
greetingUser(name: "Danilo", date:"Jul 9 84")    Hello Danilo, today is Jul 9 84
```

// Declaring a function that returns a value

```
func greetingUser (name: String, date: String) -> String {  
    let userName = name  
    let today = date  
    let message = "Hello \$(userName), today is \$(today)"  
  
    return message  
}
```

// Calling the function

```
greetingUser(name: "Danilo", date:"Jul 9 84")    Hello Danilo, today is Jul 9 84
```


// Declaring a function that returns a value

```
func greetingUser (name: String, date: String) -> String {  
    let userName = name  
    let today = date  
    let message = "Hello \(userName), today is \(today)"  
  
    return message  
}
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// Calling the function

```
greetingUser(name: "Danilo", date:"Jul 9 84")  Hello Danilo, today is Jul 9 84
```

```
// Declaring a function that returns a value
func greetingUser (name: String, date: String) -> String {
    let userName = name
    let today = date
    let message = "Hello \$(userName), today is \$(today)"

    return message
}

// Calling the function
greetingUser(name: "Danilo", date:"Jul 9 84")
```

```
// Declaring a function that returns a value
func greetingUser (name: String, date: String) -> String {
    let userName = name
    let today = date
    let message = "Hello \ (userName), today is \ (today)"

    return message
}

// Using the return value of the function
let finalMessage = greetingUser(name: "Mark", date:"Apr 2 2084")
print ( finalMessage )
```

```
// Declaring a function that returns a value
func greetingUser (name: String, date: String) -> String {
    let userName = name
    let today = date
    let message = "Hello \ (userName), today is \ (today)"

    return message
}
```

```
// Using the return value of the function
let finalMessage = greetingUser(name: "Mark", date:"Apr 2 2084")
print ( finalMessage )
```

```
// Declaring a function that returns a value
func greetingUser (name: String, date: String) -> String {
    let userName = name
    let today = date
    let message = "Hello \(userName), today is \(today)"

    return message
}

// Using the return value of the function
let finalMessage = greetingUser(name: "Mark", date:"Apr 2 2084")
print ( finalMessage )
```

```
// Declaring a function that returns a value
```

```
func greetingUser (name: String, date: String) -> String {  
    let userName = name  
    let today = date  
    let message = "Hello \$(userName), today is \$(today)"  
  
    return message  
}
```

```
// Using the return value of the function
```

```
let finalMessage = greetingUser(name: "Mark", date:"Apr 2 2084")  
print ( finalMessage )                Hello Mark, today is Apr 2 2084
```

// Declaring a function that returns a value

```
func greetingUser (name: String, date: String) -> String {  
    let userName = name  
    let today = date  
    let message = "Hello \(userName), today is \(today)"  
  
    return message  
}
```

// Using the return value of the function

```
let finalMessage = greetingUser(name: "Mark", date:"Apr 2 2084")  
print ( finalMessage )           Hello Mark, today is Apr 2 2084  
  
print (    greetingUser(name: "Mark", date:"Apr 2 2084")    )
```



```
// Declaring a function to reuse the code block
```

```
func greetingUser () {  
    let userName = "Danilo"  
    let today = "Jul 9 84"  
    let message = "Hello \(userName), today is \(today)"  
  
    print (message)  
}
```

```
// Calling the function
```

```
greetingUser()
```

```
Hello Danilo, today is Jul 9 84
```

```
// Declaring a function that receives parameters
func greetingUser (name: String, date: String) {
    let userName = name
    let today = date
    let message = "Hello \(userName), today is \(today)"

    print (message)
}

// Calling the function
greetingUser(name: "Danilo", date:"Jul 9 84")  Hello Danilo, today is Jul 9 84
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// Declaring a function that returns a value
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func greetingUser (name: String, date: String) -> String {  
    let userName = name  
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    return message  
}
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```
let finalMessage = greetingUser(name: "Danilo", date:"Jul 9 84")  
print ( finalMessage )           Hello Danilo, today is Jul 9 84
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Hands on

