

# Script (1A)

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# Script file with many functions

**script.m**

```
1; # not function file
```

```
function func1()  
    disp("func1 is called");  
endfunction
```

```
function func2()  
    disp("func2 is called");  
endfunction
```

```
function func3()  
    disp("func3 is called");  
endfunction
```

```
function func4()  
    disp("func4 is called");  
endfunction
```

```
octave:2> script  
octave:3> source script.m  
octave:4> func1  
func1 is called  
octave:5> func2  
func2 is called  
octave:6> func3  
func3 is called  
octave:7> func4  
func4 is called  
octave:8> source script  
error: no such file, '/home/young/script'  
error: source: error sourcing file  
'/home/young/script'  
octave:8>
```

# Function file with many function

**func1.m**

```
function func1()  
    disp("func1 is called");  
endfunction
```

```
function func2()  
    disp("func2 is called");  
endfunction
```

```
function func3()  
    disp("func3 is called");  
endfunction
```

```
function func4()  
    disp("func4 is called");  
endfunction
```

**subfunctions**

```
octave:1> func1  
func1 is called  
octave:2> func2  
error: 'func2' undefined near line 1 column 1  
octave:2> func3  
error: 'func3' undefined near line 1 column 1  
octave:2> func4  
error: 'func4' undefined near line 1 column 1  
octave:2>  
octave:2> source func1.m  
octave:3> func1  
func1 is called  
octave:4> func2  
func2 is called  
octave:5> func3  
func3 is called  
octave:6> func4  
func4 is called  
octave:7>
```

## References

- [1] Octave Manual
- [2]