

Julia Cheat Sheet

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1 General

Listing 1: Function definition.

```
1      function name()
2          code
3      end
4
5      function name()
6          r=3
7
8          r, r+2 #Omit the return keyword for tuple return
9      end
```

- `printf` for formatted prints uses the module `Printf` and is macro with syntax `@printf`
- `%3f` : used to show 3 sig fig
- `ë` : scientific notation
- index starts at 1 :0
- Strings can be indexed like arrays
- Combine strings using `*`
- `try, catch` : for error handling

Listing 2: Dict definition.

```
1      d = Dict{1=>"one", 2 => "two"}
2      d[3] = "three" # Add to the dict
3
4      #Loops and funcs can also be placed in dicts
```

Listing 3: Loop/arrays definition.

```
1      for i in 1:5
2          println(i)
3      end
4
5      a = collect(1:20) # convert into an array
6
7      a = map((x) -> x^2, [1,3,5,3]) # map performs func on each array element
```

1.1 Subsection

paragraph

2 Understanding Text

2.0.1 subsubsection