Functions

Functions - Block of code [Reusable code]

why functions?

→ Reuse, Time, money

→ Readability

Function Syntax

<Return type> Functionname (input arguments)
↳ This is not compulary same.
Specify as void.
  ↳ EX: void function_name().

Eg:
        int getsum (int a, int b)
        void printf (string mellege)

* functions can be call another function with any no.

Function ┌─Declaration → int getsum (int number1, int number2);
         │
         ├─Definition → code ↴ int getsum (int num1, int num2)
         │   &
         └─calling↴.   int sum = num1 + num2;
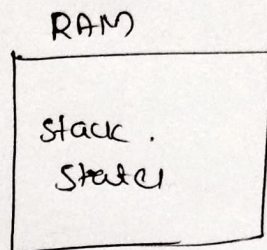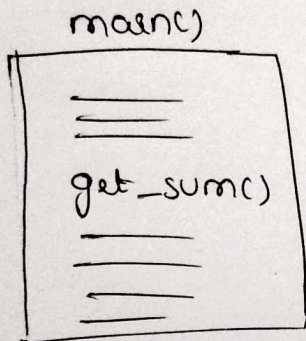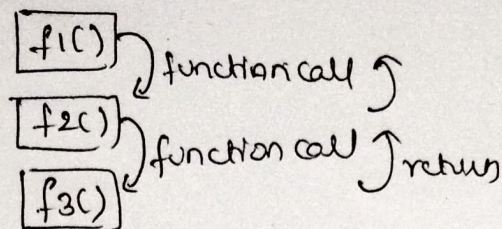   retuin sum;
        answer = getsum (2, 3); }

what is main function? → It also inputs, argc, argv[].

* o.s stat the program execution from main() function

* command line argument not compulsory.

print function retuin number of character

call stack

f1() } function call ⤵
f2() } function call ⤴ return
f3()

main()

```
═══
get_sum()
───
───
═══
```

RAM

```
Stack.
State
```

* cpu store values in RAM.

* python has 999. function call cutoff to call function.

* In c, java, stackoverflow occur, where program
   may terminate/crash.

commandline argument - in python

* Import sys.

then use.

sys.argv

In c, java,

argc → count no. of
         argument

argv[] → contain comma
         -nd line arguments.