**Functions**

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Important:

Recursive function:

* A particular task that needs to be performed.
* A function needs to have a return statement.
* Two categories of functions
  + Standard libraries : printf, sqrt, abs, pow
  + User defined : user is defined his/her own task to be performed
* Syntax:

rdt fname(input args)

{

sts;

return rdt;

}

Scope of result will be limited once exciquited.

They are in the stack memory.(ex.val 1,val 2)

Where we use the int we should use int in the result.

We can pass n number of arguments.i

Function prototypes are used in the headder files.

Int add(int,int);

Function implementation should be in the .c file.

#ifndef ISPRIME\_H(protection of file)

A screen shot of a computer program

Description automatically generated

Output:

A black screen with white text

Description automatically generated

Recursive function will not have multiple address storing.

Is the address is recersive is same for every other -answer yes.

Difference b/w recursive function and function - the memory

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