

Appendix

int printf(const char *format, <variables>) <ul style="list-style-type: none"> • format: the string that contains the text to be written. It can optionally contain embedded format tags that are replaced by the values of <variables> • If successful, the total number of characters written is returned. On failure, a negative number is returned. 	int scanf(const char *format, ...) <ul style="list-style-type: none"> • format : the C string that contains embedded tags on the type and format of data to read. • On success, the function returns the number of items matching the format which were successfully read.
switch (expression) { case value1 : statement-list1 case value2 : statement-list2 default: default_statements }	if (expression) { statement-list1 } // end if else { statement-list1 } //
while(loop repetition condition) { statements; /* loop body */ }	for (initialization; repetition condition; update) { statements; /* loop body */ }
do { statement_list; } while (loop repetition condition);	&& : Logical AND : logical OR ! : logical NOT

Headers:

include <stdio.h>

include <math.h>

include <stdbool.h> to use a boolean type, i.e. bool.

Square root:

You can use the built-in function **sqrt (a)** to get the square root value of the variable a

Ternary operator (?:) syntax

Condition? Expr1 : Expr2