CC103

Computer Programming II

I'm a named container, a placeholder true, I store your data, for later use by you. Change me, update me, I'm flexible and free, But declare me first, or errors you'll see.

I define the kind of data you store,
Int, float, char, and so much more.
I set the rules for size and precision,
Choose me wisely, for your program's vision.

I'm the realm where a variable resides,
Local or global, I decide where it hides.
Inside a function, or outside in the light,
My rules determine its reach and might.

I display your words, on the screen they appear, Numbers, text, or formats clear. With placeholders and arguments, I make it neat, I'm the output function you can't beat.

I have a name, a return type too,
Parameters optional, it's up to you.
Call me by name, and I'll execute,
But define me first, or I'll stay mute.

I take input from the user's hand, And store it in variables as you demand. With format specifiers, I read just right, But beware of errors, or I'll cause a fright.

I repeat and repeat, again and again,
Until a condition says "stop" or "when."
For, while, or do, I'll do as you say,
I'm your best friend for a repetitive day.

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I help you reuse code, across the land. With me, you can break tasks into parts, I make your programs efficient and smart.

I'm a placeholder, in printf or scanf,
I tell the type of data you have.
%d for integers, %f for floats,
Without me, your output might gloat.

I check if something is true or false,
In if, else, or switch, I'm the boss.
With ==, !=, >, or <,
I decide which path your program will stem.

I add, subtract, multiply, and divide,
With numbers and variables, I abide.
+, -, *, /, and % too,
I'm the math wizard, here for you.

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