

Question 1

When using the define primitive you are making a statement that is both a declaration and initialization. Declarations and initialization are both part of imperative and declarative languages. But if you define the same variable again then define is like an assignment and assignments are part of imperative languages.

Question 2

Using the time function in scheme I got a result of cpu time: 7 real time 7 gc time: 0

In my C program for arrays I got a time of 0.000006

I am not sure what the time unit is for the scheme program but the C program seems faster when I run it.

I think they consume the same amount of space in memory but I'm not sure.

Question 3

Features to be added

Remove the need for data types to be declared

Remove the need for functions to be named

Add the ability to use statements as expressions

Add polymorphism

Add garbage collections