1. Programmers use functions because……

Functions help you plan a program efficiently by breaking down large tasks into smaller more manageable pieces, resulting in simpler code, code reuse, better testing, faster development and easier facilitation of teamwork. Functions make programs easier to debug. Functions can be written for commonly needed tasks and those functions can be incorporated into each program that needs them instead of having one long, complex sequence of statements.

2. What is the difference between a local variable and a global variable?

A local variable can only be accessed by statements inside the function that created it. A global variable is written outside functions and can be accessed by any statement in the program file, including the statements in any function.

3. True or False: A statement in one function can access the local variable in another function

False, a local variable belongs to the function in which it’s created and only statements in that function can access the variable. An error will occur if a statement in one function tries to access a variable that belongs to another function.

. 4. True or false: You can only pass 2 parameters to a function.

False. In the interest example, we passed 3 parameters.

5. True or false: You can have up to 5 functions in a program.

False, you can have as many functions as you need in a program.