1. What is function overloading?
   a) Making functions run faster
   b) Having multiple functions with the same name but different parameters
   c) Calling a function from itself
   d) Creating very long functions

2. What are function parameters?
   a) Variables that store function results
   b) Values returned by the function
   c) Variables that receive values passed to the function
   d) Global variables used in functions

3. What is a recursive function?
   a) A function that calls other functions
   b) A function that calls itself
   c) A function with many parameters
   d) A function that never ends

4. What is the main advantage of using functions?
   a) Makes programs longer
   b) Increases compilation time
   c) Promotes code reusability and modularity
   d) Uses more memory

5. True or False: All functions must have parameters.

6. True or False: The main() function is required in every C++ program.

7. True or False: Global variables can be accessed from any function.

8. True or False: Function definitions can be nested inside other functions in C++.

9. Write a function that swaps the values of two integers using references.

10. Write a function that determines whether a given integer is a prime number, a prime number is a whole number greater than 1 that cannot be divided by any integer other than itself and 1 (e.g. 2, 3, 5, 7, 11).