Here is a link to the GitHub repository in case the code doesn’t work:

<https://github.com/nothinfoyou/CppApplication1>

1. Which of the following are valid C++ identifiers?

Answer: A, B, D, E, H, J

1. Which of the following is a reserved word in C++?

Answer: D, E

1. Given:

int num1, num2, newNum; double x, y;

Which of the following assignments are valid? If an assignment is not valid, state the reason.

1. num1 = 35;

Valid: num1 is an int, and 35 is an integer, so this is a valid assignment.

1. newNum = num1 – num2;

Valid: Both num1 and num2 are integers, and the result of subtracting two integers is also an integer, which can be assigned to newNum (an integer).

1. num1 = 5; num2 = 2 + num1; num1 = num2 / 3;

Valid: num1 = 5; is valid since num1 is an integer.

num2 = 2 + num1; is valid because adding two integers gives an integer.

num1 = num2 / 3; is valid since dividing two integers results in an integer, and the result is assigned to num1.

1. num1 \* num2 = newNum;

Invalid: In C++, the left-hand side of an assignment must be a variable, not an expression. num1 \* num2 is an expression and cannot be assigned a value.

1. x = 12 \* num1 - 15.3;

Valid: x is a double, and the result of 12 \* num1 (an integer) subtracted by 15.3 (a double) is a double, which can be assigned to x.

1. num1 \* 2 = newNum + num2;

Invalid: The left-hand side (num1 \* 2) is an expression and not a variable, so it cannot be assigned a value.

1. x / y = x \* y;

Invalid: The left-hand side (x / y) is an expression, not a variable, so it cannot be assigned a value.