static void Main()

{

// Declaration statement.

int counter;

// Assignment statement.

counter = 1;

// Error! This is an expression, not an expression statement.

// counter + 1;

// Declaration statements with initializers are functionally

// equivalent to declaration statement followed by assignment statement:

int[] radii = { 15, 32, 108, 74, 9 }; // Declare and initialize an array.

const double pi = 3.14159; // Declare and initialize constant.

// foreach statement block that contains multiple statements.

foreach (int radius in radii)

{

// Declaration statement with initializer.

double circumference = pi \* (2 \* radius);

// Expression statement (method invocation). A single-line

// statement can span multiple text lines because line breaks

// are treated as white space, which is ignored by the compiler.

System.Console.WriteLine("Radius of circle #{0} is {1}. Circumference = {2:N2}",

counter, radius, circumference);

// Expression statement (postfix increment).

counter++;

} // End of foreach statement block

} // End of Main method body.

} // End of SimpleStatements class.

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Output:

Radius of circle #1 = 15. Circumference = 94.25

Radius of circle #2 = 32. Circumference = 201.06

Radius of circle #3 = 108. Circumference = 678.58

Radius of circle #4 = 74. Circumference = 464.96

Radius of circle #5 = 9. Circumference = 56.55

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