Exercise 5.15 (Find the Error)

A –

Incorrect:

if(age >= 65); //There should not be a semicolon here

{

Console.WriteLine("Age greater than or equal to 65");

}

else

{

Console.WriteLine("Age is less than 65)";

//Ending quote should be within the parenthesis

}

Correct:

if(age >= 65)

{

Console.WriteLine("Age greater than or equal to 65");

}

else

{

Console.WriteLine("Age is less than 65");

}

B –

Incorrect:

int x = 1, total;

while (x <= 10)

{

total += x; //total is not initialized, you cannot add to total

++x;

}

Correct:

int x = 1, total = 0;

while (x <= 10)

{

total += x;

++x;

}

C –

Incorrect:

while (x <= 100) //While loop requires code block enclosed by {}

total +=x; //I am assuming x and total are already initialized

++x; //Otherwise, they need beginning values

Correct:

while (x <= 100)

{

total +=x;

++x;

}

D –

Incorrect:

while (y > 0)

{//There is no closing curly brace to end while loop

Console.WriteLine(y);

++y; //I’m assuming y was correctly initialized, otherwise needs value

Correct:

while (y > 0)

{

Console.WriteLine(y);

++y;

}