//CODE

checked

{

int x = int.MaxValue - 1;

WriteLine($"Initial value: {x:N0}");

x++;

WriteLine($"After increamenting: {x:N0}");

x++;

WriteLine($"After increamenting: {x:N0}");

x++;

WriteLine($"After increamenting: {x:N0}");

x++;

WriteLine($"After increamenting: {x:N0}");

}

//OUTPUT

Initial value: 2,147,483,646

After increamenting: 2,147,483,647

Unhandled exception. System.OverflowException: Arithmetic operation resulted in an overflow.

//RECOMMENDED CODE

checked

{

try

{

int x = int.MaxValue - 1;

WriteLine($"Initial value: {x:N0}");

x++;

WriteLine($"After increamenting: {x:N0}");

x++;

WriteLine($"After increamenting: {x:N0}");

x++;

WriteLine($"After increamenting: {x:N0}");

x++;

WriteLine($"After increamenting: {x:N0}");

}

catch (OverflowException)

{

WriteLine("The value is too BIG, and created an Overflow.");

}

}

//UNCHECKED STATEMENT

unchecked

{

int y = int.MaxValue + 1;

WriteLine($"Initial value: {y}");

y--;

WriteLine($"After decrementing: {y}");

y--;

WriteLine($"After decrementing: {y}");

}