Basic Programming Assessment (don’t be discouraged if you can’t answer any of these):

1. What is a class? This is an-open ended question and I just want to pick your brain.
2. What is an object. Again, open-ended – picking your brain.
3. What is Polymorphism?
4. What is recursion?
5. What happens if you have array that has 3 elements (array size 3) and you are wanting to access position 3?

0,1,2 – array ou

1. What’s wrong here:

----code snippet----

Object someObject;

someObject.DoSomething();

----code snippet------

1. What output would you see?

Bool isOpen = false

Bool isClosed;

If(isClosed)

{

PrintLine(“thing seems to be closed”);

}

Else-if(isOpen)

{

PrintLine(“thing is open!”);

}

1. How would you find a number in an array? Say the number is 15? Please describe or write pseudo-code.
2. What is wrong with this while-Loop and what will happen?

Int x = 0;

While (x < 10){

PrintLine(“Hello World”);

}

x = x + 1;

1. What would happen if I cast a decimal into a double? (Hint: It has something to do with losing something.)
2. What is class inheritance?
3. What is an interface?
4. Can an object be referenced by an interface reference variable if the object implements that interface?
5. Can the main() method access this class’s fields? (Yes, or No, and why?)

Main()

{

Var obj = new Thing();

}

Public Class Thing

{

private int num1 = 5;

}

1. Give me a general idea on how you would remove duplicate letter from this string “DDDOG”?

(Think about using an array, boolean logic, and loops)