

Integrated Activity 1 - Reflection

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This activity had me thrown back into algorithms immediately after a while of not focusing on them and while I did understand most, these past few ones were a bit more complicated to get a hang on them. Moreso I understood the base logic of them but implementing them was a bit more tough to do so. After reading and with help of my teammates I began to understand it more, hence why for this code I helped with the implementation of the int main and test case 3.

The int main has you insert the test case folder you want to check by putting it in the console like ./main.exe ./[testing file]. Then it stores the transmission and malicious code into two separate vectors, this allows us to apply the Manacher algorithm to find the mirrored malicious code in the transmissions, we know they're mirrored because they're palindromes. It then goes through the vector of the test files applying functions of the Manacher class it stores the malicious code and in what part of the transmission it is in. It also has an error check in case the files can't be opened.

I think I still have a lot more to understand about algorithms and they'll make more sense the more codes and practices we do, but it is a bit confusing at times still.