Code Review Notes

Method – GetNextChar

1. Spelling corrections in comments
2. Comments describing the purpose are well explained and provide insight on how code executes
3. Brace styles inconsistent

Method – RoundTrig

1. No comments
2. Method name inaccurately represents the function
3. Could overflow long double, no statement to check if the number is within range but has a long decimal value.

Method - isCharNotInBase

1. Needs description of what badchar variable is
2. There is no precondition check for this method
3. Needed comments for each if statement to describe what it’s checking for
4. Needs explanation for using character offsets. Confusing to read

Method – StringToDecimal

1. Inaccuracies in comment
2. No check for string entry of -0
3. Comments in if-else statements
4. Flags also need comments
5. Checks a check for character base values but no check for integer or non-integer base values

Method – abs

1. Method names needs to be more descriptive
2. Expansion on pre-condition comments

Method – Fibonacci

1. Missing comments
2. Missing preconditions
3. No check for preconditions
4. N cannot be less than or equal to 0
5. Variables a and b are integer values but the method returns a long double.
6. Should have a static cast

Method – HandleRunTimeError

1. Should indent cases underneath switch
2. Comment method title mismatches the actual function declaration.

Method – IsCharNotInBase

1. Comment if statements to explain what they do
2. No check to see if base is within valid range. (may come before method)

Method – nPr

1. The intent section of the comments above the function is confusing. Should be more specific and explanative about what the intent of the function is
2. The intent section of the comments above also doesn’t explain what a “permutation” is and how they are defined by the program and the function
3. Comments don’t explain what the function is returning and what the function inputs are being compared to when used
4. The if statement should have a comment explaining what it is doing.