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Pseudocode for CheckPoint2 -

Main –

Create the scanner so user can enter in input

User has to enter in a String for input

The user keeps entering in input until the user types quit

If the user hasn’t entered quit Java sends string to the produce answer method and then prints out what produce answer spits out

And then prompts user for next input

Produce Answer Method –

Make a new method Produce Answer that takes in a Scanner input

If the string is empty then it will just need to return an empty string no work needed

Needs a new variable that is defined as a String tokenizer // in order to separate tokens

Needs to have a two String variables that are just spaces one answer and one final answer // to separate tokens by spaces and the other to serve as a return variable since the method is a String

The tokenizer need to go to the next token to get the first number

Then need to convert that number to integer in order to make the operation

Need to declare all the operators as Strings including +, -, /, \*,

Need to declare two more String variable in order to set the operator equal to the token

Need to declare int variables so the operations can actually be done, one for the final Answer and one for the last token

While it has more tokens (spaces) it needs to keep going to the next token

If it the token is equal to one of the operator then it sets that specific operator which is a string set equal to operator variable

If it is not an operator it sets integer variable equal to the last token as an integer value

If it equal the add operator it will add the first token to the last and set the integer that comes out to the String variable Final Answer as a string by adding “” to the end

If it equal the subtract operator it will subtract the first token to the last and set the integer that comes out to the String variable Final Answer as a string by adding “” to the end

If it equal the multiply operator it will multiply the first token to the last and set the integer that comes out to the String variable Final Answer as a string by adding “” to the end

If it equal the division operator it will divide the first token to the last and set the integer that comes out to the String variable Final Answer as a string by adding “” to the end

If it has no operator it will have to set the final Answer variable equal to the first number since it has no operation to complete.

Then after it will return the final Answer variable which is a string