## \*\*\* You are not allowed to use String class

Write a C++ program to implement a class called "StringMath" so that the following code from the main function can produce correct output. "StringMath" has a private character pointer to store a character string. Ensure that the character string will only store a positive integer number (e.g., "457").

```
class StringMath
{
        char* p;
        public:
        // Add necessary constructors and destructors and functions
}
int main()
{
        StringMath S1;
        StringMath S2("123");
        StringMath S3("757")
        StringMath S4("220")
        StringMath S5;
        int n=345;
        S1=S4;
        //Print the character string of S1 and S4
        S1=S2+S3+S4;
        //Print the character string of S1, S2, S3 and S4, where S1 contains the character string: "1100"
        S5=S4=S3;
        // Print the character string of S5, S4 and S3
        if(S3 > n)
        {
                S5 = S3 + n;
        // Print the character string of S5, where S5 contains the character string: "1102"
        S5 = n + S2;
        // Print the character string of S5, where S5 contains the character string: "468"
        if(S5 > S2)
        {
                S5++; //Assume prefix increment
        // Print the character string of S5, where S5 contains the character string: "469"
```

If you have any question regarding the offline email me at tanzimahashem@gmail.com