

```
1 #include <stdio.h> //'stdio.h' contains declaration of 'printf()'
2 #include <ctype.h> //'ctype.h' contains declaration of 'atoi()'
3 #include <stdlib.h> //'stdlib.h' contains declaration of 'exit()'
4
5 int main(int argc, char *argv[], char *envp[])
6 {
7     //variable declarations
8     int i;
9     int num;
10    int sum = 0;
11
12    //code
13    if(argc == 1)
14    {
15        printf("\n\n");
16        printf("No Numbers Given For Addition !!! Exiting now ...\n\n");
17        printf("Usage : CommandLineArgumentsApplication <first number> <second number> ...\n\n");
18        exit(0);
19    }
20
21    // *** THIS PROGRAMS ADDS ALL COMMAND LINE ARGUMENTS GIVEN IN INTEGER FORM ONLY AND OUTPUTS THE SUM ***
22    // *** DUE TO USE OF atoi(), ALL COMMAND LINE ARGUMENTS OF TYPES OTHER THAN 'int' ARE IGNORED ***
23    printf("\n\n");
24    printf("Sum Of All Integer Command Line Arguments Is : \n\n");
25    for (i = 1; i < argc; i++) //loop starts from i = 1 because, i = 0 will result in 'argv[i]' = 'argv[0]' which is the name of the program itself i.e : 'CommandLineArgumentsApplication.exe'
26    {
27        num = atoi(argv[i]);
28        sum = sum + num;
29    }
30
31    printf("Sum = %d\n\n", sum);
32
33    return(0);
34 }
35
```