

Problem NO:4

Problem Name: Write a program to find the sum of all digits of a large number.

Input

Output

123

6

Source Code:

```
#include <stdio.h>
```

```
#include <stdlib.h>
```

```
int main() {  
    char number[1000];  
    int sum = 0;  
    fgets(number, sizeof(number), stdin);  
    for (int i = 0; number[i] != '\0'; i++) {  
        if (isdigit(number[i]))  
        {  
            sum += number[i] - '0';  
        }  
    }  
    printf("%d\n", sum);  
  
    return 0;  
}
```

Result and Analysis:

This program takes input as character string and checks if it's a digit using isdigit function and

finally converts it into integer and sum the digits.