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#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>

void check_space(char *s, int *i)
{
    int j;

    j = *i;
    while (s[j] == ' ')
        j++;
    *i = j;
}

void skip_num(char *s, int *i)
{
    int j;

    j = *i;
    while (s[j] >= '0' && s[j] <= '9')
        j++;
    *i = j;
}

int opt(int a, char op, int b)
{
    int res;

    res = 0;
    if (op == '+')
        return (a + b);
    if (op == '-')
        return (a - b);
    if (op == '/')
        return (a / b);
    if (op == '%')
        return (a % b);
    if (op == '*')
        return (a * b);
    return (00);
}

```

```

int rpn_calc(char *s)
{
    int tab[10000];
    int i;
    int j;

    i = -1;
    j = 0;
    while (s[++i])
    {
        check_space(s, &i);
        if ((s[i] >= '0' && s[i] <= '9') || ((s[i] == '+' || s[i] == '-') &&
            (s[i + 1] >= '0' && s[i + 1] <= '9')))
        {
            tab[j++] = atoi(&s[i++]);
            skip_num(s, &i);
        }
        if (((s[i] == '-' || s[i] == '+') && (s[i + 1] == ' ' ||
            s[i + 1] == '\0')) || s[i] == '/' || s[i] == '*' || s[i] == '%')
        {
            if (j < 1 || ((s[i] == '%' || s[i] == '/') && tab[j - 1] == 0))
                return (printf("Error\n"));
            tab[j - 2] = opt(tab[j - 2], s[i], tab[j - 1]);
            j--;
        }
    }
    if (j != 1)
        return (printf("Error\n"));
    return (printf("%d\n", tab[0]));
}

int main(int ac, char **av)
{
    if (ac != 2)
        return (printf("Error\n"));
    rpn_calc(av[1]);
    return (00);
}

```