Exp. No. 18

Write a C program to implement the back end of the compiler.

Program:

```
#include<stdio.h>
#include<conio.h>
#include<string.h>
int main()
{
       int n,i,j;
       char a[50][50];
       printf("enter the no: intermediate code:");
       scanf("%d",&n);
       for(i=0;i<n;i++)
       {
              printf("enter the 3 address code:%d:",i+1);
              for(j=0;j<6;j++)
              {
                     scanf("%c",&a[i][j]);
              }
       }
       printf("the generated code is:");
       for(i=0;i<n;i++)
       {
              printf("\n mov %c,R%d",a[i][3],i);
              if(a[i][4]=='-')
              {
                      printf("\n sub %c,R%d",a[i][5],i);
              if(a[i][4]=='+')
                     printf("\n add %c,R%d",a[i][5],i);
              }
              if(a[i][4]=='*')
              {
                      printf("\n mul %c,R%d",a[i][5],i);
              if(a[i][4]=='/')
```

OUTPUT: