Code generation

#include<stdio.h>

#include<stdio.h>

#include<string.h>

void main()

{

char icode[10][30],str[20],opr[10];

int i=0;

//clrscr();

printf("\n Enter the set of intermediate code (terminated by exit):\n");

{

scanf("%s",icode[i]);

} while(strcmp(icode[i++],"exit")!=0);

printf("\n target code generation");

printf("\n\*\*\*\*");

i=0;

do

{

strcpy(str,icode[i]);

switch(str[3])

{

case '+':

strcpy(opr,"ADD");

break;

case '-':

strcpy(opr,"SUB");

break;

case '\*':

strcpy(opr,"MUL");

break;

case '/':

strcpy(opr,"DIV");

break;

}

printf("\n\tMov %c,R%d",str[2],i);

printf("\n\t%s%c,R%d",opr,str[4],i);

printf("\n\tMov R%d,%c",i,str[0]);

}while(strcmp(icode[++i],"exit")!=0);

}

output

