Experiment-15

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

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Program:
#include <stdio.h >
#include <stdio.h >
#include <string.h >
int main() {
char icode[10][30], str[20], opr[10];
int i = 0;
printf("\n Enter the set of intermediate code (to display enter the exit):\n");
do
scanf("%s", icode[i]);
while (strcmp(icode[i++], "exit") != 0);
printf("\n target code generation");
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;
}
```

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Output:

