```
#include <stdio.h>
#include <string.h>
char stack[100];
int top = -1;
void push(char c) {
  top++;
 stack[top] = c;
}
char pop() {
  char c = stack[top];
  top--;
  return c;
}
int priority(char c) {
 if (c == '*' || c == '/')
    return 2;
  else if (c == '+' || c == '-')
    return 1;
  else
    return 0;
}
void infixToPostfix(char infix[], char postfix[]) {
  int i, j = 0;
  char ch;
 for (i = 0; infix[i] != '\0'; i++) {
```

```
ch = infix[i];
    if ((ch >= 'A' && ch <= 'Z') || (ch >= 'a' && ch <= 'z')) {
      postfix[j] = ch;
      j++;
    }
    // If operator
    else {
      while (top != -1 && priority(stack[top]) >= priority(ch)) {
        postfix[j] = pop();
        j++;
      push(ch);
    }
 }
 // Pop remaining operators
 while (top != -1) {
    postfix[j] = pop();
   j++;
 }
  postfix[j] = '\0';
int main() {
  char infix[100], postfix[100];
```

}

```
printf("Enter infix expression (like A+B*C): ");
scanf("%s", infix);
infixToPostfix(infix, postfix);
printf("Postfix expression: %s\n", postfix);
return 0;
}
```

## Output