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#include <stdio.h>
#include <string.h>
#include<ctype.h>
int top = -1;
int stack[100];
void push (int data) {
     stack[++top] = data;
int pop () {
     int data;
     if (top == -1)
     return -1;
     data = stack[top];
     stack[top] = 0;
     top--;
     return (data);
int main()
     char str[100];
     int i, data = -1, operand1, operand2, result;
     printf("Enter ur postfix expression:");
     fgets(str, 100, stdin);
     for (i = 0; i < strlen(str); i++)
           if (isdigit(str[i]))
           {
                data = (data == -1) ? 0 : data;
                data = (data * 10) + (str[i] - 48);
                continue;
           if (data != -1)
                push(data);
           if (str[i] == '+' || str[i] == '-'|| str[i] == '*' || str[i] == '/')
                operand2 = pop();
                operand1 = pop();
                if (operand1 == -1 || operand2 == -1)
                break;
                switch (str[i])
                      case '+':
                      result = operand1 + operand2;
                      push(result);
                      break;
                      case '-':
```

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result = operand1 - operand2;
                    push(result);
                    break;
                    case '*':
                    result = operand1 * operand2;
                    push(result);
                    break;
                    case '/':
                    result = operand1 / operand2;
                    push(result);
                    break;
          data = -1;
     if (top == 0)
     printf("The answer is:%d\n", stack[top]);
     printf("u have given wrong postfix expression\n");
     return 0;
}
```