```c
#include <stdio.h>
#include <string.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 '-':
result = operand1 - operand2;
push(result);
break;
```

```c
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]);
else
printf("u have given wrong postfix expression\n");
return 0;
}
```