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#include<stdio.h>
int stack[20];
int top = -1;

void push(int x)
{
    stack[++top] = x;
}

int pop()
{
    return stack[top--];
}

int main()
{
    char exp[20];
    char *e;
    int n1,n2,n3,num;
    printf("Enter the expression :: ");
    scanf("%s",exp);
    e = exp;
    while(*e != '\0')
    {
        if(isdigit(*e))
        {
            num = *e - 48;
            push(num);
        }
        else
        {
            n1 = pop();
            n2 = pop();
            switch(*e)
            {
                case '+':
                {
                    n3 = n1 + n2;
                    break;
                }
                case '-':
                {
                    n3 = n2 - n1;
                    break;
                }
            }
        }
    }
}

```

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    }  
    case '*':  
    {  
        n3 = n1 * n2;  
        break;  
    }  
    case '/':  
    {  
        n3 = n2 / n1;  
        break;  
    }  
    }  
    push(n3);  
}  
e++;  
}  
printf("\nThe result of expression %s = %d\n\n",exp,pop());  
return 0;  
}
```