

# C. Lesson 13. Files.

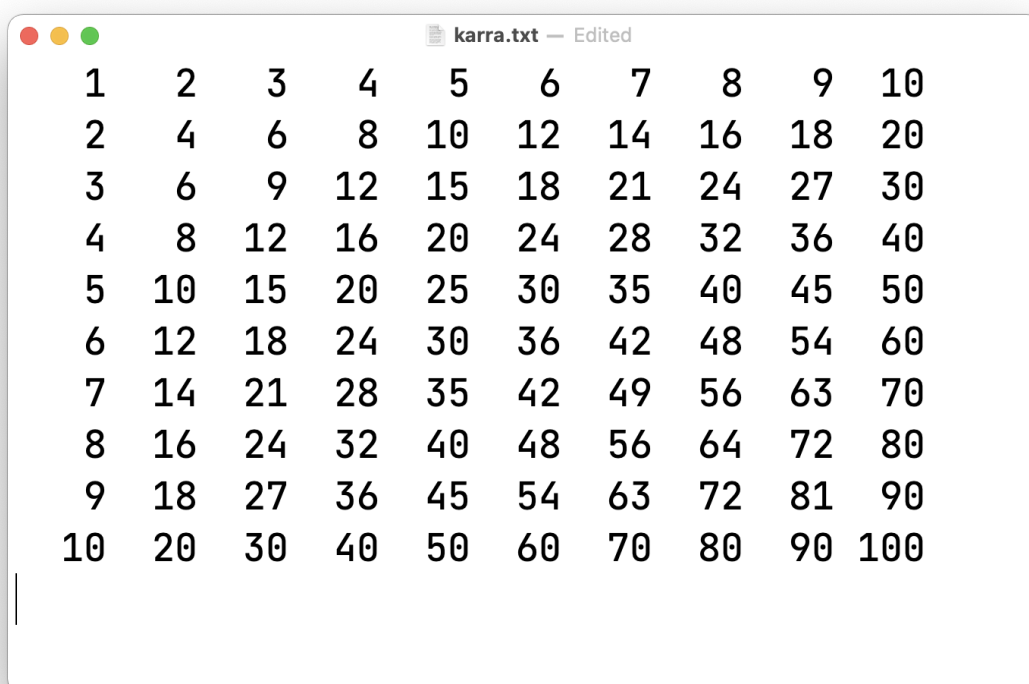


- Hamma vazifalar fayllar bilan bajarilishi shart.
- Agar Output qismda fayl nomi ko'rsatilgan bo'lsa, vazifaning natijasi faylga yozilishi shart.
- Fayl nomlari masala shartida va Output qismda ko'rsatilganidek bo'lishi shart. Vazifaning tekshiruvi aynan berilgan fayl nomlari orqali bajariladi.

## Problem 1

`karra.txt` fayli ichiga karra jadvalni chop etuvchi dastur tuzing.

### Output



1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

## Problem 2

Foydalanuvchi `char[1024]` tipida matnni to'liq kiritadi. Maqsadingiz shu kiritilgan matnni gaplarini alohida qatorlarga bo'lib `output.txt` fayli ichiga yozish.



Bu vazifani bajarishda sizga `fputc()` funksiyasi yordam beradi. U fayl ichiga matnni belgima-belgi bittalab yozadi. Yozish jarayonida kerakli hamma tekshiruvlarni ASCII jadvaldan foydalangan holda bajarishingiz lozim.

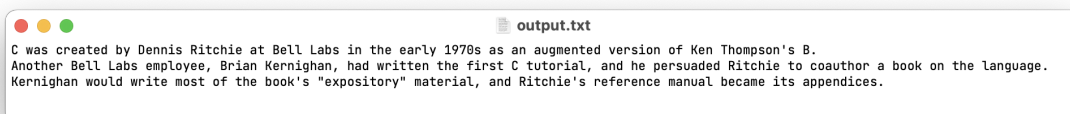
## Shartlar

1. Asosiy tekshiriluvchi tinish belgisi `.` (nuqta)
2. Gap fayl ichiga yosilgan payt uning oxiridagi tinish belgisi ham bo'lishi shart.
3. Gaplar orasidagi bo'shliq belgilari (пробел) faylga yozilmasligi shart.

## Input

C was created by Dennis Ritchie at Bell Labs in the early 1970s as an augmented version of Ken Thompson's B. Another Bell Labs employee, Brian Kernighan, had written the first C tutorial, and he persuaded Ritchie to coauthor a book on the language. Kernighan would write most of the book's "expository" material, and Ritchie's reference manual became its appendices.

## Output



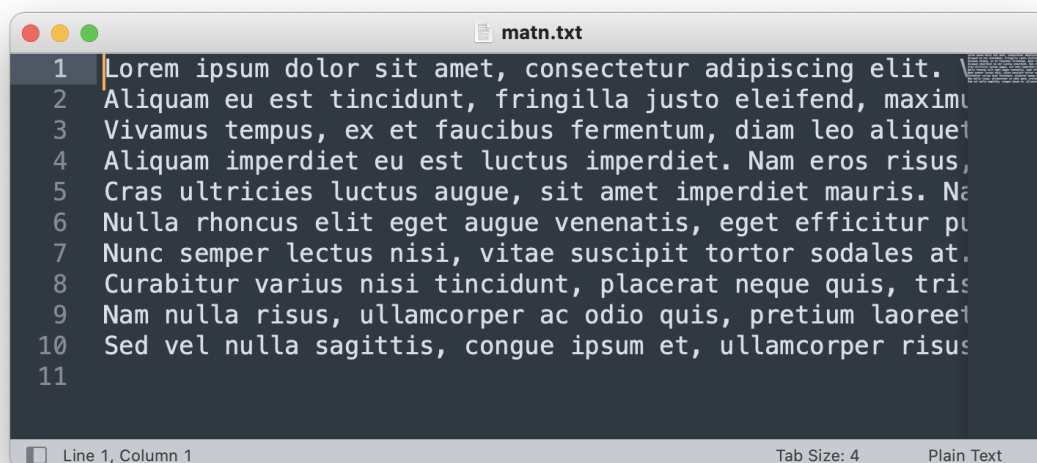
```
output.txt
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```

## Problem 3

`matn.txt` fayli ichida bir matn kiritilgan. Matn bir necha qatordan iboratdir. Maqsadingiz shu fayl ichidagi matn necha qatordan iboratligini aniqlash.

## Input

Kiruvchi ma'lumotlar



```
1 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus magna.
2 Aliquam eu est tincidunt, fringilla justo eleifend, maximus
3 Vivamus tempus, ex et faucibus fermentum, diam leo aliquet
4 Aliquam imperdiet eu est luctus imperdiet. Nam eros risus,
5 Cras ultricies luctus augue, sit amet imperdiet mauris. Nam
6 Nulla rhoncus elit eget augue venenatis, eget efficitur purus
7 Nunc semper lectus nisi, vitae suscipit tortor sodales at.
8 Curabitur varius nisi tincidunt, placerat neque quis, tris
9 Nam nulla risus, ullamcorper ac odio quis, pretium laoreet
10 Sed vel nulla sagittis, congue ipsum et, ullamcorper risus
11
```

## Output

LINES: 10

## Problem 4

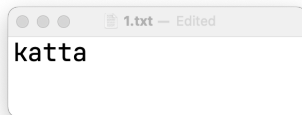
Uchta fayl berilgan: `1.txt`, `2.txt` va `3.txt`. Har bir fayl ichida bittadan so'z yozilgan. So'zlarni o'zingiz quyida berilgan shartlarga qarab to'ldiring. Maqsadingiz shu so'zlardan gap hosil qilib, paydo bo'lgan gapni ekranga chop etish. Shunda bosh harfli bitta so'z gap boshida va tinish belgisi turgan bir so'z gap oxirida, qolgan bir so'z esa gap o'rtasida bo'lishi shart.

## Shartlar

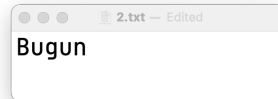
1. Fayllardan xohlagan birida bitta so'z aniq bosh harfdan boshlangan.
2. Fayllardan xohlagan birida bitta so'z aniq tinish belgisi bilan yakunlangan ( `. ! ?` ).
3. Fayllardan xohlagan birida bitta so'z aniq bosh harfdan boshlanmagan va tinish belgisi bilan yakunlanmagan.

## Input

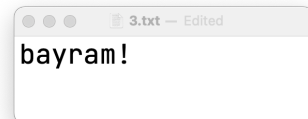
Kiruvchi ma'lumotlar



katta



Bugun



bayram!

## Output

```
Bugun katta bayram!
```