

Zadatak 1. Napiši program koji od korisnika traži da unese dva stringa i formira i ispisuje novi string koji se sastoji od dva puta ponovljena prva tri karaktera iz prvog stringa i poslednja tri karaktera prethodnog stringa.

Primer izvršavanja programa:

```
unesite prvi string: abcdef
unesite drugi string: ghijkl
abcabcjkl
```

Zadatak 2. Napiši program koji formira akronim za zadatu frazu. Akronim se sastoji od kapitalizovanih prvih slova reči u frazi. Na primer RAM je akronim za frazu „random access memory“.

Primer izvršavanja programa:

```
unesite frazu: random access memory
akronim za unetu frazu je: RAM
```

Zadatak 3. Napiši program za registrovanje korisnika. Program teba da omogući korisniku da unese korisničko ime i lozinku. Informacije o korisniku čuvaju se u tekstualnom fajlu.

Primer izvršavanja programa:

Nakon 3 navedena izvršavanja programa:

```
korisnicko ime: pera
lozinka: peric
>>> ===== RESTART
=====
>>>
korisnicko ime: jova
lozinka: jovic
>>> ===== RESTART
=====
>>>
korisnicko ime: steva
lozinka: stevic
>>>
```

Fajl korisnici.txt treba da sadrži sledeće podatke:

```
pera|peric
jova|jovic
steva|stevic
```

Zadatak 4. Napiši program koji učitava iz tekstulanog fajla korisnička imena i ispisuje ih. Za fajl korisnici.txt iz prethodnog zadatka nakon izvršavanja programa treba da bude prikazano:

```
korisnicko ime:  pera  
lozinka:  peric
```

```
korisnicko ime:  jova  
lozinka:  jovic
```

```
korisnicko ime:  steva  
lozinka:  stevic
```

Zadatak 5. Napiši program koji kombinuje sadržaj dva fajla i snima ga u treći fajl. U prvom fajlu se nalaze korisnička imena i lozinke prodavaca, a u drugom fajlu se nalaze nizovi cena artikala koje su prodavci prodali. Pri tome prvom redu u fajlu sa korisničkim imenima i lozinkama odgovara prvi red u fajlu sa računima, drugom redu u fajlu sa korisničkim imeni i lozinkama odgovara drugi red u fajlu sa računima itd. Svaki red trećeg fajla treba da sadrži korisničko ime prodavca, ukupnu cenu robe koju je prodao i prosečnu cenu artikla koji je prodao.

Primer izvršavanja programa:
Ako su dati fajlovi

```
Korisnici.txt  
pera|peric  
jova|jovic  
steva|stevic
```

i

```
Racuni.txt  
100|200|150|150|300|100  
50|100|100|50  
300|400|200|100|400
```

Formirani fajl treba da bude:

```
Statistika.txt  
pera|1000.0|166.66666666666666  
jova|300.0|75.0  
steva|1400.0|280.0
```

Dodatak. Izmeni formatiranje tako da se prikazuju samo prve dve decimale:

```
Statistika.txt  
pera|1000.00|166.67  
jova|300.00|75.00  
steva|1400.00|280.00
```

Zadatak 6. Napisati program koji formatira tekstualni fajl prema sledećim uputstvima:

- Svaka vezana pojava više razmaka između reči treba da bude zamenjena tačno jednim razmakom.
- *Naslov* – Naslov je prvi red iz fajla i treba da bude poravnat na sredinu u string od 100 karakter i prvo slovo svake reči treba da bude veliko. Nakon naslova i pre prvog pasusa treba da bude jedan prazan red.
- *Paragrafi* - Paragraf je svaki red u fajlu osim naslova. Paragraf treba da bude uvučen za pet praznih karakterata. Svaka rečenica u paragrafu treba da počinje velikim slovom.

Primer izvršavanja programa:

neformatiranTeksts.txt

```
THE ROTATION OF CROPS A Venture in a Theory of Social
Prudence by Soren Kierkegaard
people with experience maintain that proceeding from a basic
principle is supposed to be every reasonable; I yield to them and
proceed from the basic principle that all people are boring. Or is
there anyone who would be boring enough to contradict me in this
regard? This basic principle has to the highest degree the repelling
force always required in the negative, which is actually the principle
of motion.
It is not merely repelling but infinitely repulsive, and whoever has
the basic principle behind him must necessarily have infinite momentum
for making discoveries. If, then, my thesis is true, a person needs
only to ponder how corrupting boredom is for people, tempering his
reflections more or less according to his desire to diminish or
increase his impetus, and if he wants to press the speed of the motion
to the highest point, almost with danger to the locomotive, he needs
only to say to himself: Boredom is the root of all evil.
It is very curious that boredom, which itself has such a calm
and sedate nature, can have such a capacity to initiate motion. the
effect that boredom brings about is absolutely magical, but this
effect is one not of attraction but of repulsion.
```

formatiranTekst.txt

```
The Rotation Of Crops A Venture In A Theory Of Social Prudence
By Soren Kierkegaard
```

```
People with experience maintain that proceeding from a basic
principle is supposed to be every reasonable; I yield to them and
proceed from the basic principle that all people are boring. Or is
there anyone who would be boring enough to contradict me in this
regard? This basic principle has to the highest degree the repelling
force always required in the negative, which is actually the principle
of motion.
```

```
It is not merely repelling but infinitely repulsive, and whoever
has the basic principle behind him must necessarily have infinite
momentum for making discoveries. If, then, my thesis is true, a person
```

needs only to ponder how corrupting boredom is for people, tempering his reflections more or less according to his desire to diminish or increase his impetus, and if he wants to press the speed of the motion to the highest point, almost with danger to the locomotive, he needs only to say to himself: Boredom is the root of all evil.

It is very curious that boredom, which itself has such a calm and sedate nature, can have such a capacity to initiate motion. the effect that boredom brings about is absolutely magical, but this effect is one not of attraction but of repulsion.