

Zadanie 1

```
Stepan Yurtsiv, 246437  
Computer: DESKTOP-H5N4B6E  
File path:  
..\test1.txt
```

```
aaa: 11  
bbb: 10  
ccc: 9  
ddd: 8  
eee: 7
```

```
Stepan Yurtsiv, 246437  
Computer: DESKTOP-H5N4B6E  
File path:  
..\big.txt
```

```
the: 80030  
of: 40025  
and: 38313  
to: 28766  
in: 22050
```

Zadanie 2

Stepan Yurtsiv, 246437
Computer: DESKTOP-H5N4B6E

Group 0:

5)	14001,	Bandingo,	Male,	active,	3,	topics: Java, C#,
15)	24001,	Bandingo,	Male,	active,	3,	topics: Java, C#,
16)	24100,	Bandingo,	Male,	active,	2,	topics: algorithms, web programming,

Group 1:

2)	13235,	Kowalski,	Male,	active,	1,	topics: C#, C++, fuzzy logic,
6)	14100,	Miniwiliger,	Male,	active,	2,	topics: algorithms, web programming,
4)	14000,	Newman,	Female,	no active,	3,	topics: JavaScript, neural networks,

Group 2:

14)	24000,	Newman,	Female,	no active,	1,	topics: JavaScript, neural networks,
1)	12345,	Nowak,	Female,	active,	1,	topics: C#, PHP, algorithms,
11)	22345,	Nowak,	Female,	active,	2,	topics: C#, PHP, algorithms,

Group 3:

12)	23235,	Nowak,	Male,	active,	1,	topics: C#, C++, fuzzy logic,
3)	13444,	Schmidt,	Male,	no active,	2,	topics: Basic, Java,
13)	23444,	Schmidt,	Male,	no active,	1,	topics: Basic, Java,

Zadanie 3

```
Stepan Yurtsiv, 246437  
Computer: DESKTOP-H5N4B6E
```

```
-- All students --
```

```
(C#, 6)  
(algorithms, 4)  
(Java, 4)  
(PHP, 2)  
(C++, 2)  
(fuzzy logic, 2)  
(Basic, 2)  
(JavaScript, 2)  
(neural networks, 2)  
(web programming, 2)
```

```
-- Female students --
```

```
(C#, 2)  
(PHP, 2)  
(algorithms, 2)  
(JavaScript, 2)  
(neural networks, 2)
```

```
-- Male students --
```

```
(C#, 4)  
(Java, 4)  
(C++, 2)  
(fuzzy logic, 2)  
(Basic, 2)  
(algorithms, 2)  
(web programming, 2)
```

Zadanie 4

Stepan Yurtsiv, 246437
Computer: DESKTOP-H5N4B6E

-- Students --

1)	12345,	Nowak,	Female,	active,	1,	topics: C#, PHP, algorithms,
2)	13235,	Kowalski,	Male,	active,	1,	topics: C#, C++, fuzzy logic,
3)	13444,	Schmidt,	Male,no	active,	2,	topics: Basic, Java,
4)	14000,	Newman,	Female,no	active,	3,	topics: JavaScript, neural networks,
5)	14001,	Bandingo,	Male,	active,	3,	topics: Java, C#,
6)	14100,	Miniwiliger,	Male,	active,	2,	topics: algorithms, web programming,
11)	22345,	Nowak,	Female,	active,	2,	topics: C#, PHP, algorithms,
12)	23235,	Nowak,	Male,	active,	1,	topics: C#, C++, fuzzy logic,
13)	23444,	Schmidt,	Male,no	active,	1,	topics: Basic, Java,
14)	24000,	Newman,	Female,no	active,	1,	topics: JavaScript, neural networks,
15)	24001,	Bandingo,	Male,	active,	3,	topics: Java, C#,
16)	24100,	Bandingo,	Male,	active,	2,	topics: algorithms, web programming,

-- Topics --

0: C#
1: PHP
2: algorithms
3: C++
4: fuzzy logic
5: Basic
6: Java
7: JavaScript
8: neural networks
9: web programming

-- Students with topics --

1)	12345,	Nowak,	Female,	active,	1,	topics: 0, 1, 2,
2)	13235,	Kowalski,	Male,	active,	1,	topics: 0, 3, 4,
3)	13444,	Schmidt,	Male,no	active,	2,	topics: 5, 6,
4)	14000,	Newman,	Female,no	active,	3,	topics: 7, 8,
5)	14001,	Bandingo,	Male,	active,	3,	topics: 0, 6,
6)	14100,	Miniwiliger,	Male,	active,	2,	topics: 2, 9,
11)	22345,	Nowak,	Female,	active,	2,	topics: 0, 1, 2,

Zadanie 5

Stepan Yurtsiv, 246437
Computer: DESKTOP-H5N4B6E

Vehicle: Nissan Juke
Weight: 1300kg
Max load: 1670kg
Doors: 5

Vehicle: Toyota Corolla
Weight: 1190kg
Max load: 945kg
Doors: 5

Vehicle: Pride ROCX Tour
Weight: 14kg

Typ: rower
Material ramy: stal
Hamulec: Disk, Mechanical

Vehicle: Jamis Durango
Weight: 14,8kg

Typ: rower
Material ramy: stal
Hamulec: Disc, Hydraulic

Vehicle: Fiat Grande Punto
Weight: 1030kg
Max load: 800kg
Doors: 5
Type: personal car
Seats: 4
Trunk load: 0,0%

Vehicle: Volkswagen Golf 5
Weight: 1164kg
Max load: 1500kg
Doors: 5
Type: personal car
Seats: 4
Trunk load: 0,0%

(przedłużenie)

Vehicle: IVECO EUROCARGO

Weight: 15000kg

Max load: 26000kg

Doors: 2

Type: truck

Height: 2,36

Loaded: 0,0%

Vehicle: MAN TGA26

Weight: 15000kg

Max load: 44000kg

Doors: 2

Type: truck

Height: 3,4

Loaded: 0,0%

Total load (regular): 74915

Total load (reflection): 74915