Problem 1. Create an Ungrouped Frequency Distribution table with the data from the survey, accomplished among the students of university, which answered the question of how many books they read per year. The answers are presented below:

7	3	0	9	8	5	4	4	5	6	6	3	3	4	5	1	0	3

Solution:

The next steps were accomplished:

1. First column where all different answers were placed from higher to lower value was created;
2. Second column, where quantity of same answers in the survey was put for each score, was created;
3. Third column was obtained by dividing values of the second column on the number of answers;
4. Fourth column was obtained by multiplying the values from the third column by 100%;
5. The values for the fifth column were obtained starting from the lowest score (0), for which Cf=f, and for other scores Cf was obtained as the sum of Cf for the previous score and the f from the second column for current score.
6. Cp for the sixth column was calculated as a ratio of Cf and N;
7. the last column was obtained by multiplying the sixth column on 100%.

See results of calculations in the table below.

X	f	f_r	%	Cf	Cp	C%
9	1	1/18=0,06	6	18=N	18/18=1	100
8	1	0,06	6	17	17/18=0,94	94
7	1	0,05	5	16	0,88	88
6	2	0,11	11	15	0,83	83
5	3	0,16	16	13	0,72	72
4	3	0,17	17	10	0,56	56
3	4	0,22	22	7	0,39	39
2	0	0	0	3	0,17	17
1	1	0,06	6	3	0,17	17
0	2	0,11	11	2	0,11	11
N=18		Σ=1	Σ%=100			