< به نام خدا >

نام دانشجو : نرگس فیاض بخش

شماره دانشجویی : ۹۸۱۵۰۹۱۰۲٦

نام استاد : جناب اقای شکیبان

1)

```
enter n: 12
p: 0.1

0 1 0 1 1 1 1 1 0 1 1 1
1 0 1 1 1 1 1 1 1 1 1 1
0 1 0 1 1 1 1 0 1 1 1 1
1 1 1 0 1 1 1 1 0 0 1 0
1 1 1 1 0 1 1 1 1 1 0 1
1 1 1 1 1 0 1 1 1 0 1 1
1 1 1 1 1 1 0 0 1 1 1 1
1 1 0 1 1 1 0 0 1 1 1 0
0 1 1 0 1 1 1 1 0 1 1 1
1 1 1 0 1 0 1 1 1 0 1 1
1 1 1 1 0 1 1 1 1 1 0 1
1 1 1 0 1 1 1 0 1 1 1 0
max=11 min=8 sum=112 avg=9.333333

p: 0.2

0 1 0 1 0 1 1 0 1 1 0 1
1 0 1 1 1 1 1 1 1 1 1 1
0 1 0 1 1 1 1 0 1 1 1 1
1 1 1 0 0 1 1 0 1 1 0 1
0 1 1 0 0 1 1 1 0 0 1 1
1 1 1 1 1 0 1 1 1 1 1 0
1 1 1 1 1 1 0 1 0 1 1 1
0 1 0 0 1 1 1 0 1 1 1 1
1 1 1 1 0 1 0 1 0 1 1 1
1 1 1 1 0 1 1 1 1 0 1 1
0 1 1 0 1 1 1 1 1 1 0 1
1 1 1 1 1 0 1 1 1 1 1 0
max=11 min=7 sum=108 avg=9.000000

p: 0.3

0 1 1 1 1 1 0 1 0 0 0 1
1 0 0 1 1 1 1 0 1 1 0 1
1 0 0 1 0 1 1 1 1 0 0 1
1 1 1 0 1 0 0 1 1 1 1 0
1 1 0 1 0 0 0 1 0 1 1 0
1 1 1 0 0 0 1 1 1 0 1 1
0 1 1 0 0 1 0 1 1 1 1 1
1 0 1 1 1 1 1 0 1 0 1 1
0 1 1 1 0 1 1 1 0 1 1 1
0 1 0 1 1 0 1 0 1 0 0 0
0 0 0 1 1 1 1 1 1 0 0 1
```

```
1 1 1 0 0 1 1 1 1 0 1 0
max=9 min=5 sum=90 avg=7.500000

p: 0.4

0 0 1 1 1 0 1 0 1 0 1 1
0 0 1 1 0 1 1 1 1 0 1 1
1 1 0 1 1 1 1 1 1 1 1 1
1 1 1 0 1 0 1 0 1 1 1 0
1 0 1 1 0 1 1 0 0 0 1 1
0 1 1 0 1 0 1 0 1 0 1 1
1 1 1 1 1 1 0 1 0 1 1 1
0 1 1 0 0 0 1 0 0 0 0 0
1 1 1 1 0 1 0 0 0 1 0 0
0 0 1 1 0 0 1 0 1 0 0 1
1 1 1 1 1 1 1 0 0 0 0 0
1 1 1 0 1 1 1 0 0 1 0 0
max=11 min=3 sum=86 avg=7.166667

p: 0.5

0 0 0 1 0 0 1 1 1 1 1 1
0 0 0 0 1 0 0 0 1 0 0 0
0 0 0 0 1 0 1 0 1 1 1 1
1 0 0 0 0 0 0 0 1 1 0 1
0 1 1 0 0 1 1 0 0 1 1 0
0 0 0 0 1 0 1 0 1 0 0 1
1 0 1 0 1 1 0 1 1 0 0 1
1 0 0 0 0 0 1 0 1 1 1 1
1 1 1 1 0 1 1 1 0 0 1 0
1 0 1 1 1 0 0 1 0 0 1 0
1 0 1 0 1 0 0 1 1 1 0 1
1 0 1 1 0 1 1 1 0 0 1 0
max=8 min=2 sum=70 avg=5.833333

p: 0.6

0 0 0 0 0 1 1 0 1 1 0 1
0 0 1 1 0 1 0 0 1 0 0 0
0 1 0 0 0 0 1 0 0 1 0 0
0 1 0 0 1 1 1 0 0 0 0 1
0 0 0 1 0 0 0 1 0 0 1 1
1 1 0 1 0 0 0 1 0 1 0 1
1 0 1 1 0 0 0 0 0 0 1 1
0 0 0 0 1 1 0 0 1 0 0 1
1 1 0 0 0 0 0 1 0 1 0 1
1 0 1 0 0 1 0 0 1 0 0 0
0 0 0 0 1 0 1 0 0 0 0 1
1 0 0 1 1 1 1 1 1 0 1 0
max=8 min=3 sum=56 avg=4.666667

p: 0.7

0 1 0 0 0 0 0 1 1 1 1 1
1 0 0 1 1 0 0 1 0 0 0 1
```

```
0 0 0 0 0 0 0 1 0 0 0 0
0 1 0 0 1 0 1 0 1 0 0 0 0 1
0 1 0 1 0 0 0 0 0 0 1 1
0 0 0 0 0 0 1 0 1 1 0 1
0 0 0 1 0 1 0 0 0 1 0 0
1 1 1 0 0 0 0 0 1 0 0 1
1 0 0 0 0 1 0 1 0 0 0 0
1 0 0 0 0 1 1 0 0 0 0 0
1 0 0 0 1 0 0 0 0 0 0 0
1 1 0 1 1 1 0 1 0 0 0 0
max=6 min=1 sum=46 avg=3.833333

p: 0.8

0 0 0 1 0 0 0 0 0 0 1 0
0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0
1 0 0 0 0 0 1 1 0 1 0 1
0 0 0 0 0 0 0 0 0 0 1 0
0 0 0 0 0 0 1 1 0 1 0 0
0 0 0 1 0 1 0 0 0 1 0 0
0 0 0 1 0 1 0 0 0 1 1 1
0 0 0 0 0 0 0 0 0 0 1 0
0 0 0 1 0 1 1 1 0 0 1 0
1 0 0 0 1 0 0 1 1 1 0 0
0 0 0 1 0 0 0 1 0 0 0 0
max=5 min=0 sum=32 avg=2.666667

p: 0.9

0 0 1 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 1 0 0 0 0 1
1 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 1 0 0 0 0 0 0
0 0 0 0 1 0 0 0 0 0 0 0
0 1 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0
0 1 0 0 0 0 0 0 0 0 0 0
max=2 min=0 sum=8 avg=0.666667
```

2)

```
enter n: 20
entry :
1 : 4--> 2 4 12 16
2 : 2--> 0 8
3 : 2--> 6 19
4 : 2--> 3 18
```

```
6 : 3--> 5 7 13
8 : 4--> 9 10 15 17
9 : 2--> 1 14
29141636288016981843
29146380
```
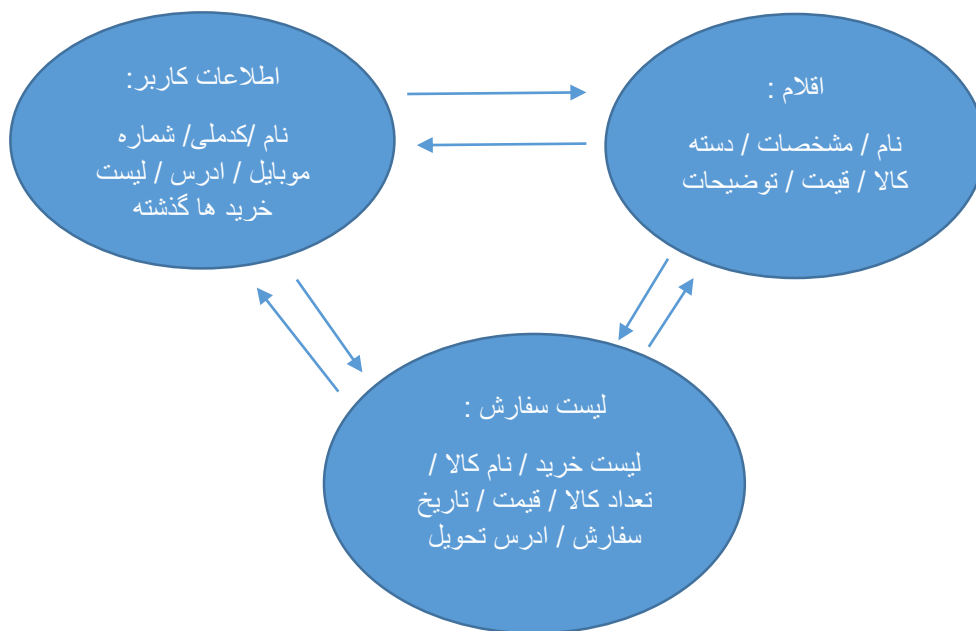
3)

```
enter n: 10
0.7

0 0 0 1 0 0 0 0 0 1
0 0 0 0 0 0 1 0 0 1
0 0 1 0 0 0 0 0 0 1
1 0 1 0 0 0 0 0 1 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 1 0 0 0
0 1 0 0 0 1 0 0 0 0
0 0 0 0 0 0 0 0 0 1
0 0 0 1 0 0 0 0 0 0
1 1 1 0 0 0 0 1 0 0
```
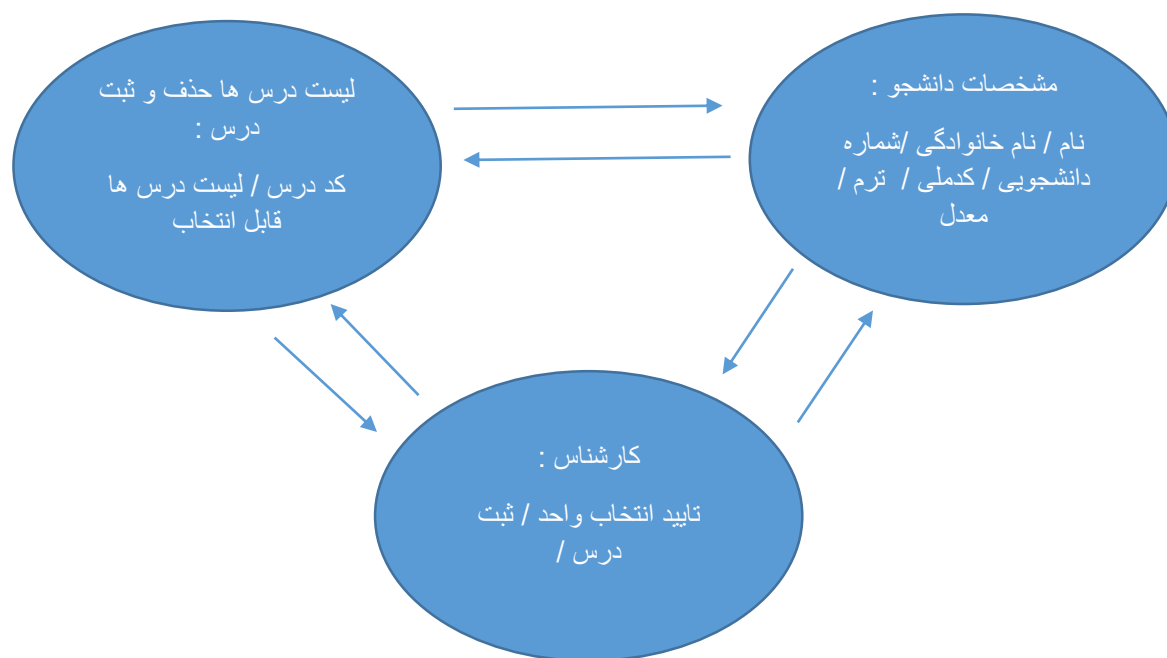
```
1.000000  0.333333  1.000000  0.000000  0.000000  0.000000  0.000000  0.500000  0.500000  0.000000
0.333333  1.000000  0.333333  0.000000  0.000000  0.500000  0.000000  0.500000  0.000000  0.000000
1.000000  0.333333  1.000000  0.000000  0.000000  0.000000  0.000000  0.500000  0.500000  0.000000
0.000000  0.000000  0.000000  1.000000  0.000000  0.000000  0.000000  0.000000  0.000000  0.400000
0.000000  0.000000  0.000000  0.000000  1.000000  0.000000  0.000000  0.000000  0.000000  0.000000
0.000000  0.500000  0.000000  0.000000  0.000000  1.000000  0.000000  0.000000  0.000000  0.000000
0.000000  0.000000  0.000000  0.000000  0.000000  0.000000  1.000000  0.000000  0.000000  0.200000
0.500000  0.500000  0.500000  0.000000  0.000000  0.000000  0.000000  1.000000  0.000000  0.000000
0.500000  0.000000  0.500000  0.000000  0.000000  0.000000  0.000000  0.000000  1.000000  0.000000
0.000000  0.000000  0.000000  0.400000  0.000000  0.000000  0.200000  0.000000  0.000000  1.000000
```
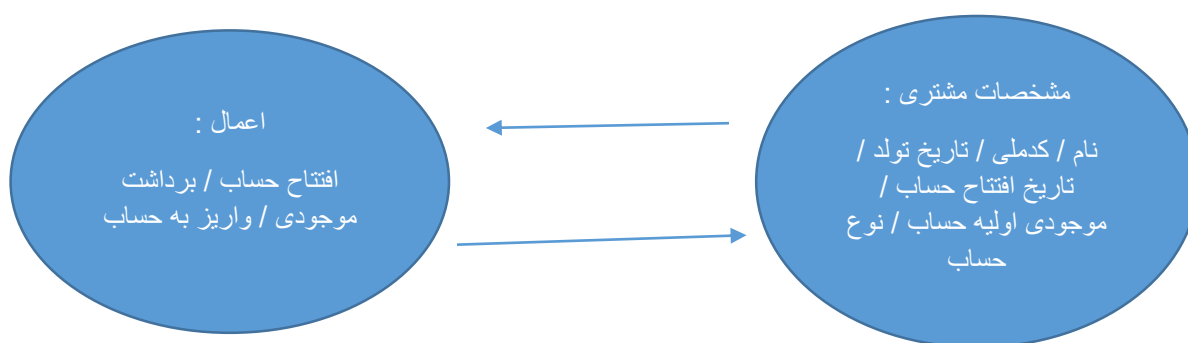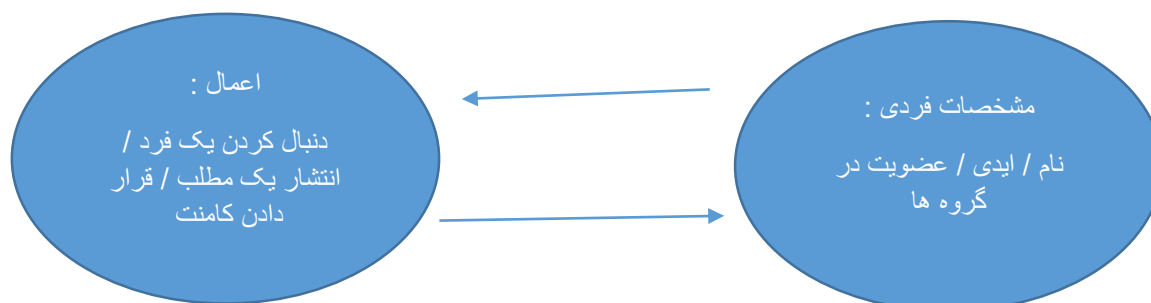
4)

الف)

لیست درس ها حذف و ثبت درس :

کد درس / لیست درس ها قابل انتخاب

مشخصات دانشجو :

نام / نام خانوادگی /شماره دانشجویی / کدملی / ترم / معدل

کارشناس :

تایید انتخاب واحد / ثبت درس /

اعمال :

افتتاح حساب / برداشت موجودی / واریز به حساب

مشخصات مشتری :

نام / کدملی / تاریخ تولد / تاریخ افتتاح حساب / موجودی اولیه حساب / نوع حساب

اعمال :

دنبال کردن یک فرد / انتشار یک مطلب / قرار دادن کامنت

مشخصات فردی :

نام / ایدی / عضویت در گروه ها

5)

```
enter n: 4
lenght = 4
0000
enter n: 5
enter m: 8
lenght = 5
88888
enter n: 7

enter k: 7
1
7
2
5
8
9
4
lenght = 7
1725894
enter x add: 0
lenght = 8
17258940
enter y index for delet: 2
lenght = 7
1758940
max: 9
0145789
```

6)

```
A & Z  :

enter m: 2
enter n: 2
lenghtx=2    lenghty=2
  2   6
  4   3
enter new row: 1
2
lenghtx=3    lenghty=2
  2   6
  4   3
  1   2
enter new col: 1
2
3
**lenghtx=3  lenghty=3
  2   6   1
  4   3   2
  1   2   3
lenghtx=3    lenghty=3
  2   6   1
```

```
    4    3    2
    1    2    3
enter m: 3
enter n: 3
enter elements: 1
2
3

2
2
2

1
1
1


lenghtx=3    lenghty=3
    3    8    4
    6    5    4
    2    3    4
```

A & W :

```
enter m: 2
enter n: 2
lenghtx=2    lenghty=2
    1    9
    8    6
enter new row: 1
2
lenghtx=3    lenghty=2
    1    9
    8    6
    1    2
enter new col: 1
2
3
**lenghtx=3   lenghty=3
    1    9    1
    8    6    2
    1    2    3
```

```
lenghtx=3    lenghty=3
   1   9   1
   8   6   2
   1   2   3
enter m: 2
enter n: 3
enter elements: 1
2
3

4
5
6

erorr: java.lang.IllegalArgumentException: z not correct lenght
```