

Ankara University
Computer Engineering Department
COM267 HW 3 Due Date: 30.10.2017 23:59

Fenerbahce and Galatasaray supporters are in separate lines to get tickets. For each group of fans, get the related information (id and age for FB fans, id for GS fans) from the user and create the following link lists. FB fans will be inserted to link list in increasing order, GS fans in decreasing order. The number of fans in both link lists will be the same. The node structures to be used in the link list are given below. Then combine these two link lists so that the fans of FB and GS will be in the same link list. You will use this combination as shown in the rule of the FB and GS fans are aligned in a mixed way. Make the necessary changes to the given node structures when you are doing this placement. Write three print methods, **void printFB(struct nodeFB *)**, **void printGS(struct nodeGS *)**, **void printAll(struct nodeFB *)** that prints FB link list, GS link list and the combined link list respectively.



```
struct nodeFB
{
    int id;
    int age;
    struct nodeFB *next;
};
```

```
struct nodeGS
{
    int id;
    struct nodeGS *next;
};
```



Input (id age for FB and id for GS)

```
456756 45
561232 41
821273 20
193215 25
882342 37
-1 -1
872456
272487
345123
892185
764523
-1
```

Output (You will call printFB, printGS, and printAll functions at the end of your program.)

```
Id:193215    Age:25
Id:456756    Age:45
Id:561232    Age:41
Id:821273    Age:20
Id:882342    Age:37
```

```
Id:892185
Id:872456
Id:764523
Id:345123
Id:272487
```

```
Id:193215    Age:25
Id:892185
Id:456756    Age:45
Id:872456
Id:561232    Age:41
Id:764523
Id:821273    Age:20
Id:345123
Id:882342    Age:37
Id:272487
```