

## 1) (10 pts) DSN (Dynamic Memory Management in C)

A catalogue of *apps* and their price is stored in a text file. Each line of the file contains the name of an app (1-19 letters) followed by its price with a space in between. Write a function called ***makeAppArray*** that reads the *app information* from the file and stores it in an array of app pointers. Your function should take 2 parameters: a pointer to the file containing the app information and an integer indicating the number of *apps* in the file. It should return a pointer to the array of *apps*. An *app* is stored in a struct as follows:

```
typedef struct{
    char name[20];
    float price;
} app;
```

Make sure to allocate memory dynamically. The function signature is:

```
app** makeAppArray(FILE* fp, int numApps) {
```

```
}
```