

HW07

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Q1.

1)

```
struct point { float x; float y; };
```

2)

```
typedef struct { int x; int y; } point;
```

3)

```
struct point { int x; int y; } p;
```

```
struct point parr[10];
```

4)

```
struct { int x; int y; } parr[10];
```

5)

```
Enum OSType {osAndroid, osWindows, osIOS};
```

Q2.

```
int match(char* s1, char* s2){
    while( (*s1==*s2) && *s1!='\0' && *s2!='\0' ){
        s1++; s2++;
    }
    if(*s1!='\0' && *s2!='\0')
        return 1
    else
        return 0;
}

char* get_owner_name(PCar carr, int size, char* key){
    int i;
    for(i=0; i<size; i++){
        if(match(carr[i]->plate_num, key))
            return carr[i]->owner_name;
    }
    return NULL;
}

void fill_car(PCar c){
    printf("Enter car plate number: ");
    scanf("%s",&c->plate_num);
    printf("Enter car owner's name: ");
    scanf("%s",&c->owner_name);
    printf("Enter owner's phone number: ");
    scanf("%d",&c->owner_tel);
}
```