

## CS300: Programming Languages

Spring 2022

### Exercise #7

- Name only: \_\_\_\_\_
- Release date: Mar 03, 2022 (Thursday)

1. **What is a record?**
2. **What is a union?**
3. **What is the difference between record and union in terms of value altering?**
4. **Draw a diagram to show the memory storage of the following record.**

```
struct student {  
    int i;  
    char c;  
    double d;  
};
```

5. **Draw a diagram to show the memory storage of the following union.**

```
union student {  
    int i;  
    char c;  
    double d;  
};
```