

EECE.2160 Spring 2016: Exam 3

Structure Definitions for Question 2

Question 2a

```
typedef struct {
    char name [10];
    int age;
    double length;
} Fish;
```

Question 2b

```
typedef struct {
    char autoMake[10];
    int year;
} Auto;
```

```
typedef struct {
    char name[10];
    Auto type;
    int inStock;
} AutoPart;
```

Question 2c

```
typedef struct node {
    char data;
    struct node *next;
} LLnode;
```

```
LLnode *addNode (LLnode *list, char v) {
    LLnode *node = (LLnode *)malloc(sizeof(LLnode));
    node->data = v;
    node->next = list;
    return node;
}
```

```
void printList(LLnode *list) {
    LLnode *ptr = list;
    while (ptr != NULL) {
        printf("%c", ptr->data);
        ptr = ptr -> next;
    }
}
```