

CSC 209 Review 8 Solution

September 10, 2020

```
1  int *my_malloc (int n) {  
2      int *res;  
3  
4      res = malloc(n * sizeof(int));  
5      if (res == NULL) {  
6          perror("Allocation failed.");  
7      }  
8  
9      return res;  
10 }
```

Please see `question_1.c` for details.

```
2  char *duplicate(char *str) {  
3      char *res;  
4  
5      res = malloc(strlen(str) + 1);  
6      if (res == NULL) {  
7          return res;  
8      }  
9  
10     strcpy(res, str);  
11  
12     return res;  
13 }
```

Please see `question_2.c` for details.