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Memory Management

```
Determine if the heap is used correctly in the
                                                              following code snippet.
Determine if the following code snippets are valid.
int* getCubes(){
                                                              int* getRange(const int lower, const int upper){
    int cubes[10];
                                                                  int i;
    int i=1;
                                                                  const int n = upper - lower + 1;
    for(i=1; i <= 10; i++)
                                                                  int* array;
       cubes[i-1] = i * i * i;
                                                                  if(n \le 0)
                                                                     return NULL;
    return cubes;
                                                                  }
}
                                                                  array = malloc(sizeof(int) * n);
                                                                  if(array == NULL){
                                                                      fprintf(stderr, "Could not allocate memory\n");
                                                                      return NULL;
                                                                  }
int* getAddress(int n){
                                                                  for(i=lower; i<=upper; i++){
    return &n;
                                                                      array[i-lower] = i;
                                                                  return array;
                                                              }
                                                              int main(){
                                                                  const int lower = 20;
                                                                  const int upper = 100;
                                                                  int* array = getRange(lower, upper);
char* findSpace(char* str){
                                                                  int i;
    const int n = strlen(str);
    int i:
                                                                  if(array != NULL){
    for(i=0; i< n; i++){}
                                                                      for(i=0; i<upper-lower+1; i++){
       if(str[i] == ' '){
                                                                         printf("%d\n", array[i]);
           return &(str[i]);
                                                                      }
                                                                  }
    return NULL;
                                                                  return 0;
```