

Answer 30231147

Rated

(Doing some coding on paper for a test)

July 31, 2024

mainx.h

```
#ifndef MAIN_H
#define MAIN_H
char* input;
int length;
int reverseBts(char* input);
#endif
```

Exercise C

```
#include <stdio.h>
#include "mainx.h"
```

```
int main() {
    int length = 10;
    char test[length] = "0000000000";
    printf("Reverse is: %d, %b, %p(test), %p\n",
        reverseBts(test), test, test);
    return 0;
}
```

```
int reverseBts(char* input, int length) {
    char newArray[length];
    int i = 0;
    for (i = 0; i < length; i++) {
        newArray[length - i - 1] = input[i];
    }
}
```

```
int reversed = atoi(newArray, NULL, 2);
return reversed;
```

```
}
```

Contains Duplicate II

- main x0 2

#ifndef MAIN_H

#define MAIN_H

int containsDuplicateII(int* array, int length, int k);

#endif

- Exercise X. 4C

int main()

int length = 6, int k = 2;

int* test[length] = {1, 2, 3, 1, 2, 3};

printf("%d %d", containsDuplicateII(test, k, length));

return 0;

}

int containsDuplicateII(int* array, int k, int length)

int i, upperBound;

for (i = 0; i < length; i++)

if (i + 2 > length)

upperBound = length;

}

else

upperBound = i + 2;

}

for (j = 0; j < upperBound; j++)

if (array[i] == array[j]) return 1;

}

return 0;

}

Waiting out long hand again

Aug 1, 2024 (387)

- main x. c

```
#ifndef MAIN_H
```

```
#define MAIN_H
```

```
int FirstUnique(char* input, int length);
```

```
#endif
```

- Exercise x. c.

```
#include <stdio.h>
```

```
#include "main x. c"
```

```
int main() {
```

```
    char test[8] = "leetcode";
```

```
    printf("%d", FirstUnique(test, 8));
```

```
    return 0;
```

```
int FirstUnique(char* input, int length);
```

```
int i, j, pos = -1, isUnique;
```

```
char currentChar;
```

```
for (i = 0; i < length; i++) { isUnique = 1;
```

```
    currentChar = input[i];
```

```
    for (j = 0; j < length; j++) {
```

```
        if (currentChar == char[j] && (i != j)) {
```

```
            isUnique = 0;
```

```
        }
```

```
    if ((j == length - 1) && (isUnique == 1)) {
```

```
        return i; } }
```


(504. Base 7)

```
- main.x.h
#ifndef MAIN_H
#define MAIN_H
int getSeven (int input);
#endif
```

```
- Exercise x.c
#include <stdio.h>
#include "main.x.h"
```

```
int main () {
    int test = 100;
    printf("%d", getSeven (test));
    return 0;
}
```

```
int getSeven (int input) {
    int i = 1, new = 0, current = input;
    while (current > 0) {
        new = (current % 7) * i + new;
        current = current / 7;
        i = i * 10;
    }
    return current;
}
```

Type
(Wrote up the last two days
work later.)