

(10 points) Complete the attached C program to find the first nonrepeated, last nonrepeated, first repeated, last repeated digit respectively in an array of *single-digit or double-digit non-negative* numbers (i.e. 0 through 99 inclusively). Find in the following four screenshots for sample outputs from this program.

```
2. bash
~/Documents/workspace/3335/assignments/a1/solution $ ./repeated_nonrepeated
In the array of 2 25 0 26 30 13 25 30 13 0

The first non-repeated digit is 2.
The last non-repeated digit is 26.
The first repeated digit is 25.
The last repeated digit is 0.
~/Documents/workspace/3335/assignments/a1/solution $
```

```
2. bash
~/Documents/workspace/3335/assignments/a1/solution $ ./repeated_nonrepeated
In the array of 26 25 0 26 30 13 25 30 13 0

There isn't any non-repeated digit.
The first repeated digit is 26.
The last repeated digit is 0.
~/Documents/workspace/3335/assignments/a1/solution $
```

```
2. bash
~/Documents/workspace/3335/assignments/a1/solution $ ./repeated_nonrepeated
In the array of 1 21 0 21 4 21

The first non-repeated digit is 1.
The last non-repeated digit is 4.
The first repeated digit is 21.
The last repeated digit is 21.
~/Documents/workspace/3335/assignments/a1/solution $
```

```
2. bash
~/Documents/workspace/3335/assignments/a1/solution (master) $ repeated_nonrepeated
In the array of 1 2 0 4

The first non-repeated digit is 1.
The last non-repeated digit is 4.
There isn't any repeated digit.
~/Documents/workspace/3335/assignments/a1/solution (master) $
```

What to turn in?

Create a tarball file by the name of `cs3335_a1_yourlastname.tar` that includes

- The completed source code file `repeated_nonrepeated.c`
- A PDF file by the name of `output.pdf` that contains one screenshot of your terminal (Linux/OS X/Google Cloud Shell/ssh gargamel) that shows the commands to **compile** and **run** your program as well as their respective outputs.

(The command to create the tar ball is

```
tar cvf cs3335_a1_yourlastname.tar repeated_nonrepeated.c
output.pdf)
```

Submit the tarball file through BlazeVIEW by the due time.