

Lecture 5

- Sign-up Proctor U
- 3 Cpp Files
 - 1. Text 2. Code 3
- NO WAY TO RESCHEDULE EXAM
- RESOLVE ALL PROBLEMS WITH EXAM, THEN & THERE
- Get Exam from NYU Classes
- Submission is to GRADESCOPE!!!

Can use a timer, monitor to monitor time.

DO NOT TRUST GRADESCOPE

Start: WHEN YOU SEE EXAM

- IF IT'S OVER 2 Hrs in Submission, YOUR TEST IS NOT ACCEPTED
- Can use Calculator
- Access Exam Via NYU Test & Quizzes Tab.
- Login into Proctor U → Have Proctor access PC → Go to NYU Test & Quizzes Tab → Proctor will input exam password → Start Exam and Time with provided link → Submit test within 2hr Timer via GradeScope.
- IF ANY PROBLEMS ARISE Do the Following
 - Contact Tal or Inda
 - Contact Piazza
 - AND UPGRADE ISSUE TO SUPERVISOR

Program 1

Input: Enter a lower case letter: 'd'

Output:

```
    a
  a b
a b c
a b c d
```

Let's point: a b c d

so, let's start at 'a' and loop to 'd'

```
char ch;
```

```
ch = 'a';
```

```
cout << ch; // Output "a"
```

- cout knows when it gets a number it prints its decimal value

- However if it prints a char, it will first convert to an ASCII value then it "cout"s the letter i.e.

```
ch = a
```

```
[a = 97]
```

```
cout << 'a'
```

```
cout << ch + 1; // 98 because types do not match  
data will be lost
```

We can cast a char to an int

```
cout << (int)ch + 1; // 98 without memory loss.
```

You would rather cast a char to an int, then an int to a char

line #	# of spaces	last letter in sequence
1	$n-1$	a
2	$n-2$	b $\rightarrow +1$
3	$n-3$	c $\rightarrow +1$
k	$n-k$	n = input letter - 'last letter'

input letter $\rightarrow n$

$$'d' - 'a' = n$$

Program 2

Please enter a sequence of positive integers. Each in a separate line. End your sequence by typing -1

5

17

29

4

6

-1

Sum is 61

Avg is 12.2

Numbers of evens