

char ch = str.next() & ch == 'A';

ch >= 'a' ✓  
↑

&& ch <= 'z'

1 dist = ch - 'a'

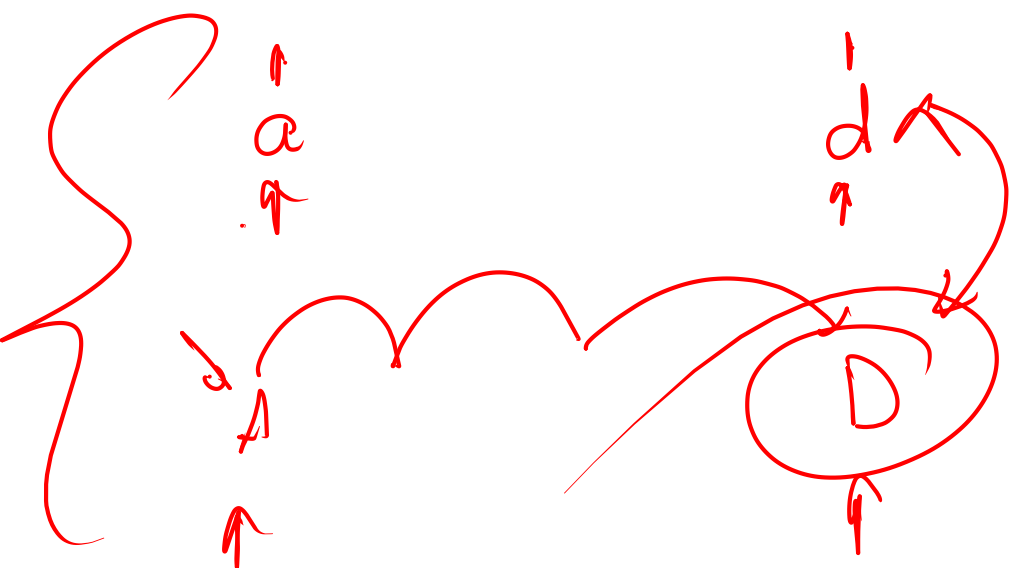
ch = 'd'

'j' - 'a' = 9

=  
'A' + 9 = 'J'

'd' - 'a' = 3

↘  
'A' + 3 = 'D'



$$\begin{matrix} d' & - & a' \\ \uparrow & & \uparrow \end{matrix} =$$

# Small to Capital

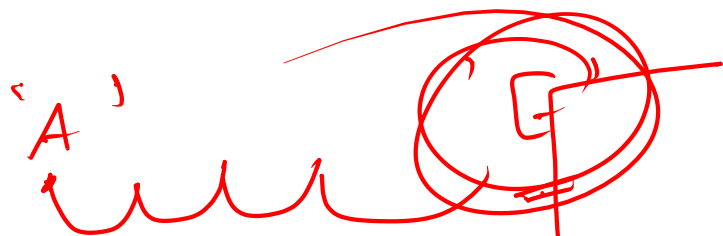
$$ch = 'e'$$

$$'a' =$$

$$'e' = 4$$

$$\left\{ \begin{array}{l} 'e' \\ ch - 'a' = \\ 'e' - 'a' = \end{array} \right.$$

$$\begin{array}{c} sca \\ \curvearrowright \\ eca \end{array}$$



$$'a' \rightarrow x$$

$$'b' \rightarrow x+1$$

$$'c' \rightarrow x+2$$

$$d \rightarrow x+3$$

$$'e' = x+4$$

$$x+4 - x$$

$$= 4$$

ch = 'e' → 'E'

a e  
A E  
ch = 'e' 'a' (4)

// "static void main" must be defined in a public class.

```
public class Main {
```

```
    public static void main(String[] args) {
```

```
        Scanner scn = new Scanner(System.in);
```

```
        char ch = scn.next().charAt(0);
```

```
        if(ch >= 'a' && ch <= 'z') { small case to capital
```

```
            int dist = ch - 'a';
```

```
            System.out.println((char)('A' + dist));
```

```
        } else {
```

```
            int dist = ch - 'A';
```

```
            System.out.println((char)('a' + dist));
```

```
        }
```

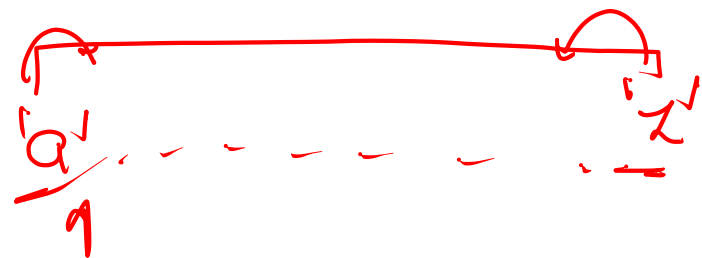
```
    }
```

```
}
```

'a' → 15

'p' 'A' = 15  
15  
p

$$ch = \perp$$



$$\{ \text{3} \}$$

$$\text{'0'}$$

$$\text{'7'}$$

~~40~~

$$\left\{ \begin{array}{l} \text{'0'} - \text{'0'} = 0 \\ \text{'1'} - \text{'0'} = 1 \\ \text{'5'} - \text{'0'} = \boxed{5} \end{array} \right.$$

a String name = "Ryan";

n = 5

2

R	a	y	a	n
0	1	2	3	4

{ 0 to (n-1) }

String name = "Jitmanew";

name.charAt(5);  
          //    → (n)

J I T M A N E W  
          ↑

name.length() // 8

sem.next();

"Anurag" [~~Katakwa~~] - - - - )

sem.nextLine();



condition ? true : false

||||| > ||||

|| > |||||

$a = \cancel{2}$ ;

