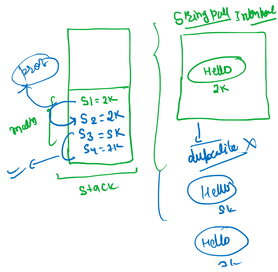
Lec-13
16/06/24 4:50 PM

String → class

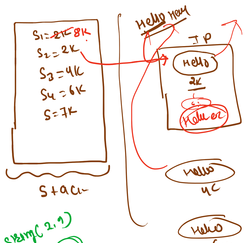
(i) $ crack

(ii)

```
public static void main(String[] args) {
    // TODO Auto-generated method stub
    String s1 = "Hello";
    String s2 = "Hello";
    String s3 = new String("Hello");
    String s4 = new String("Hello");
}
```




```
public static void main(String[] args) {
    // TODO Auto-generated method stub
    String s1 = "Hello";
    String s2 = "Hello";
    String s3 = new String("Hello");
    String s4 = new String("Hello");
    String s = s1 + s2;
    s1 = s1 + s2;
    String str = s1 + s3;
    String strr = s1 + "Okay";
    String str1 = "Hello" + "Bye";
}
```



Coding blocks
0 1 2 3 4 5 6 7 8 9 10 11

Substring(2,9) → 2 1 8

Subsr(3)

A

D

Lexicographically

(i) Komal (ii) Kunal

Raj
Rajesh

Komal
Kunal

Anykin
Anikin

Kamlesh
Hanu

```
public static int Comapre(String s1, String s2) {
    int len = Math.min(s1.length(), s2.length());
    for (int i = 0; i < len; i++) {
        if (s1.charAt(i) != s2.charAt(i)) {
            return s1.charAt(i) - s2.charAt(i);
        }
    }
    return s1.length()-s2.length();
}
```

3

J - 6 (-3)

'b' - 'a'

Raj Rajesh

Kunal Komal

man
mann

nitin
nitin

nitin

nitin

(2,3) (2-3)

Hello
0 1 2 3 4

[0-1] H
[0-2] He
[0-3] Hel
[0-4] Hell
[0-5] Hello

[1-2] e
[1-3] el
[1-4] ell
[1-5] ello

[2-3] l
[2-4] ll
[2-5] llo

[3-4] l
[3-5] lo

[4-5] o

len=1
i j
[0-1] h
[1-2] e
[2-3] l
[3-4] l
[4-5] o

len=2
i j
[0-2] he
[1-3] el
[2-4] ll
[3-5] lo

len=3
0 1 2 3 4
hello
i j
[0-3] hel
[1-4] ell
[2-5] llo

len=4
i j
[0-4] hell
[1-5] ello

len=5
i j
[0-5] hello

j - i = len
i = j - len

for(len=1 len<=s.length() len++){
for(i=0 j=len j<=s.length() i++){
i = j - len

3

3

the sky is blue

the	sky	is	blue

blue is sky the

1

a f e a b k m n p a e i a e z w y k l a

5

k a f e a b k m p a e i a e z w y k l a e

found

ans = 5

int ans = 0 c = 0

for(i=0 i < s.length() i++){
char ch = s.charAt(i)
if (vowel(ch)){
c++
}
else{
ans = max(c, ans)
c = 0
}
}
ans = max(c, ans)

1 1 2 1 2 3 4 5