Lec-16

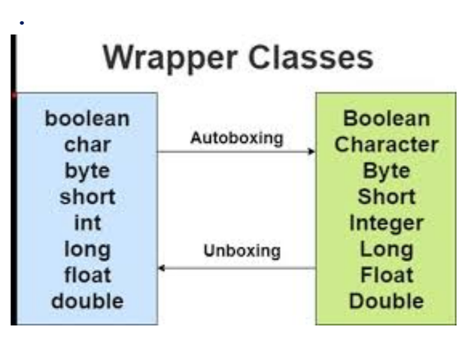
14/11/24 2:16 PM

A Good String is a string which contains only vowels (a,e,i,o,u) . Given a string S, print a single positive integer N where N is the length of the longest substring of S that is also a Good String.

Note: The time limit for this problem is 1 second, so you need to be clever in how you compute the substrings.

ans = 2 4 5

O(n)

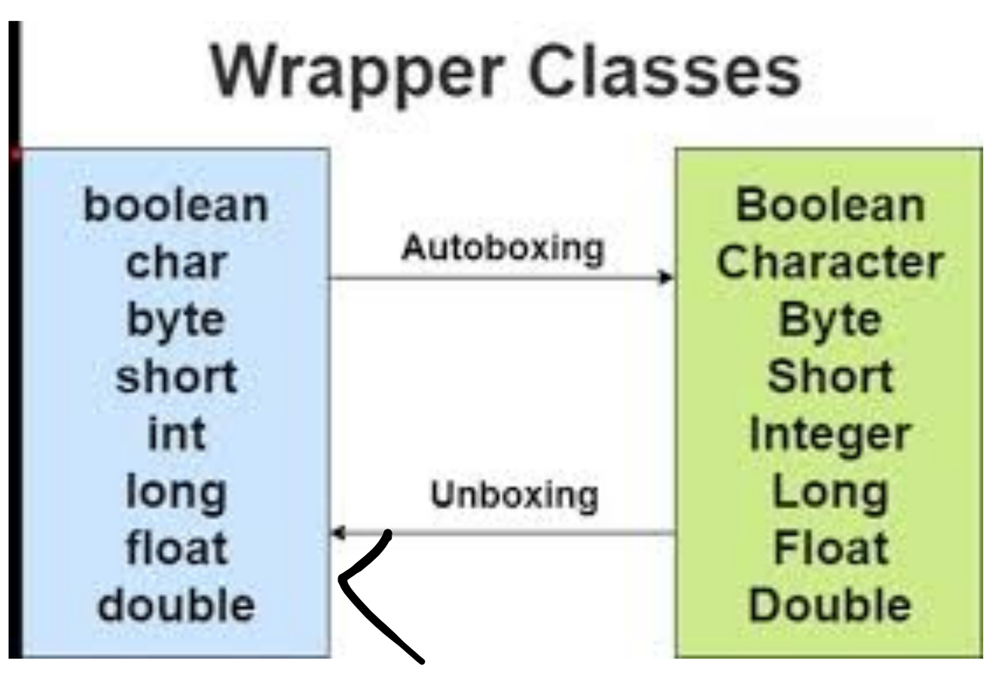



```java
public static int Good_String(String s) {
      int ans=0;
      int c=0;
      for (int i = 0; i < s.length(); i++) {
          char ch =s.charAt(i);
          if(isvowels(ch)) {
              c++;
          }
          else {
              ans = max(ans, c)
              c = 0
          }
      }
      ans = max(ans, c)
  }
```

(i) wrapper class

Primitive type	Wrapper Class
boolean	Boolean
byte	Byte
char	Character
float	Float
int	Integer
long	Long
short	Short
double	Double

```java
public static void main(String[] args) {
    // TODO Auto-generated method stub
    int a = 10;
    Integer a1 = 10;
}
```




```java
public static void main(String[] args) {
        // TODO Auto-generated method stub
        int a = 10;
        Integer a1 = 10;
        System.out.println(a1);
        System.out.println(a);
//      Long l = 10l;
//      Character ch = 'a';
//      Boolean b = true;
        Integer b = a;

    }
```

Cache

```java
  Integer c1 = 18;
  Integer c2 = 18;
  Integer c3 = 181;
  Integer c4 = 181;
  System.out.println(c1==c2);
  System.out.println(c3==c4);
```

Byte | Short | Integer | Long

Cache Array

Size 256

-128 to 127