String - Sequence of characters
System.out. print ("tello world");

data types - int, long, froat, double, boolean, char

what are characters?

int num =
$$|50|$$
; $|100|$
num

Char $|char| |char| |char|$
datotype name

int $|b| = |5|$; $|5|$

int
$$b = b$$
; \rightarrow 5

int $x = b$; \rightarrow
 ∞

int num =
$$100$$
; $0 \rightarrow 000$
 $1 \rightarrow 001$
 $2 \rightarrow 010$
 $3 \rightarrow 011$

Sundan	Nakul	Debjit
$a \rightarrow 0$	$\alpha \rightarrow 1$	$\alpha \rightarrow 2$
b -> 1	b -> 2	b → q
c -> 2	C -> 3	c → 6
•		
	•	
z → 25	7 → 26	

American standard code four ASCII codes -> information interchange chor - integer value associated ASCII code A > 65 'a' => 97 '0' → 48 11' -> 49 , p, -> d8 'B' → 66 'C' -> 67 2 7 50 'c' -> 99 'Q' -> 57 'Z' - 122

Ques. Given a stoing, count the total nor of uppercare characters and netwo the count.

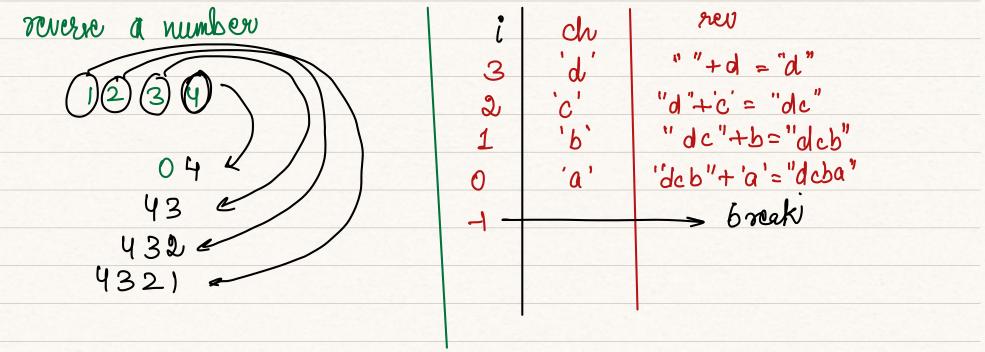
String Output			
Java CodE 5		î →	0 +05
rIyanShI 4			
-0	ů l	ch	count
	0	C	1
_str → CoDiNG 012345	1	0	1
012345	2	D	2
00	3	Ĉ	2
765 790	4	N	3
[A - Z]	5	G	4
	6 1		- break
$A \leq ch \leq 7$			

ch > A' & P ch = 'Z'

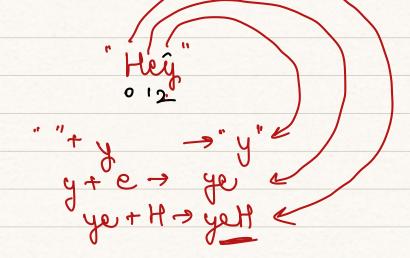
```
int count CAPS (String str) &
        int count = 0;
int n = str. length ();
     for (int i=0; i < m; i++) {
               char ch = str. charAt (i);
             if ( ch = 'A' & & ch <= 'Z') {
                count ++;
     return court:
```

Ques. Given a string, reverse the string and return it.

Stoing	ans	
lcap java nuw	pacl	str = "abcd"
abcd	nun deba	quev = "; i → n-1+00



sto = "Hello" String reverse (String str) & int n = Str. length (); nev = "" String rev = ""; rev for (int i= m+; i>=0; i--) & "o"+'l = "ol" 3 Char ch = sto. char At (i); 2 1"oll"+e'="olle" rev = rev + ch; "olle"+'H'= "olleH" greturn prev;



$$pev = "";$$
 $i = 2$ $ch = y$
 $i = 1$ $ch = e$
 $i = 0$ $ch = H$

$$5|2|5|1|4|2$$
 $i=x$ count = 42

check at every index of the element is equal to 5

```
Array List < Integer> and = new Array List < >();
 for (int i=0; i = A. sizec); i++)?
           int count=0;
         for (int j=0; j = A.size(); j++) &
                     if (A.get(i).equals (A.get(i))) of
                          count ++;
        ans add (count);
neturn ans;
```

list add (1);
list add (2);
list add (3);

list add (1,47);

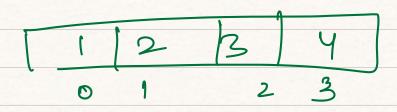
June Jement

list. add (4,48);

list: [1,2]
list: [1,2,3]

liet: [1, 47,2,3]
0 123

list: [1,47,2,3,48]



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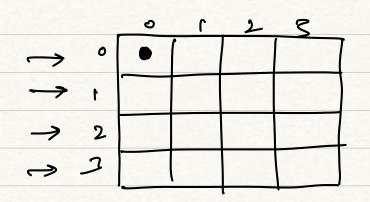
prod * arr. get (i);

S.O.P (al);

[1,2,3,4]

for (int i=0; ¿cal·size(),it)

S.O.P (al. get (i));



for (inti = 0; i = A . size(); i++) f

A[i][o]

int max = A.get(i)-get(o);

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