

Today's agenda
Today's agenda Grand String
b ASCII
h Problems
-> 8Pm
6) Sunday - Oftional class (Problem Solving)  6) Aloose Kumar - 7th on Coolectel
6) Aloos V Kumar -> 7th on Coolechef
moster on Codeforces
<del>MAIGOPIED</del>



Stoing: Sequence of Characters Louperase, somerase, special	dr,
Stoing St = "Algoboti";	
Characters: a) AlPhabet  G a-2 (lowercase)  G A-2 (ulpercose)	
b) Special characters b @ # ? etc.	)
c) Numbers (5 '0' - '9'	
Syntan: character character character	
Comfile	
1. humsels -> binary number  2. Charactery -> number -> binary number  Belefined	le va





## ASCII - 256 Characters

'A': 65	a': 97	<b>"</b> 0" : 48
'B' : 66	's' : 98	11: 49
'c' : 67	'c' ; \$9	1
	r	
· · · · · · · · · · · · · · · · · · ·	(	·
	/	1
0	•	
121 % 90	21: 122	191:57
	901	10' : Not a

-)	infut			

→ get



* char ouly
1. Char to ind: implicit. en: int n: 'A'; ~
2. ind to Char: Complicated> (Typecoet always) Crenplicity.
Char ch: (chan)66;
AlgoPrep



aui21:

Quil 2:

Qui2 2:

Qui2 4:

inf 
$$n: A'; \rightarrow 65$$
 $n: n+2; \qquad n:67$ 

System. out-pointly (n); 67



0	•	•	S	
IV.	ш	_	~	-

Char	Ch4:	'A';	
Chi	Ch4: 1=(00)C	15 H3	68
	9-p (c		

GenPlicit convension.

## Qui26:

Bolak till 9:45 Pm

3



a) Toggle Character
Given a Char[] which Contains only small and
Calital letters, toggle them.
6 lovercese -> uppercase
yphercase > lowercase
E. Alandah Ollahter
Eni Algo Poep: a Lh OpREP
'A': 65 (-31) 'a': 97
A 65 431 A 66
'8': 66 = 132    '5': 98
'c': 67 +32
<del>MARCOPICO</del>
121 % 90 -132 122
uppercase to lowercase -> +32
lowerCase to uppercase -> -32



```
Scanner sen: new Scanner (System. Fin);

int n: Scn. new Int();

Charl) ch: new Charling;

Stoing St: Scn. newtline();

[for (int izo; izn; itt) (

Chli): St. Char Atli);

3

Toggle (Ch);
```

Ps void Toggle (char() ch) {
for (int i=0; i< ch.length; i++) \    if (chsi)>=65 &1 chsil<=90) \ Mullerase   Chsil=Characher (chsil+22);
Chsij = (char)(chsij + 22);
3
ch (i): (char) (ch (i)-32);
,
3



## Q) Reverse the given Stoing

Li Criven a Stoing sto, overesse and Point it.

en: algobrep: perpogla

## 11 Psuedo Code

P S Stoing SeverseStoing (Stoing Sto) {

int n: Str. length ();

Char [] Ch: Sto. to Char Avoray ();

int SP: 0;

int ep: n-1;

while (SP<eP) (

Chartemp = ch[se]

Ch[sp] = Ch[ep];

Cheef] = temp; SP++; ep--;

Stoing and = Stor. value of (Ch);

oltum ans;

