Java Strings

-s ther Array (like in c)

String Class ( like in Car)
(Immutable).

Stringbrilder ( mudable not should safe)

## STRINGS

128 ASCII Characters are corresed by Strings.

Java uses UTF-16 (16 5°ts) & vnicode format.

## Examples

1) chas a = 'a'; System. out. println ((int)(2)); 9/P → 97.

2) Array to String

Stringbuffer (Mutable threed sull) but oreched. method!

Method!

There [] arr = d'p',g', r', 8'3;

String sto 1 = String. value (a or);

method? Use Arrays. to Strong (arr);

3) String to Array x 2 "ascdef" char[] char1 = x. to CharArray ();

> Use x[i] } to access

> Use x. charat[i] for element
in them. u) for cher Array
for strings I find freq of cher (in sorted order). bling str = "geeks for geeks"; int[] counts = new ins[26] for (int "00; " (str. length (); ite) { count 2 [ 8 to. cher Ar(i) = 'a'] ++; 3 constant time for ("int "20; ?(26; ?+e) not O(n) d ? (count 1[?]) 0) & System-out. printer (char) (1+ a) + " + count[i] CherAt cannot be used on left side i.e not relid as strings are str1. charAt (3) . 'a'; y immutable. str = 'geeks'; smp fry (8 ming) Str. Substrong (2,4) -> ek equels to lenig index Of

Q. Palindsome Check.

Naîne -> take sev of sto Compose sev == str & Return true/felse.

60% bood Enfal (String str)

String Builder 8to-ser z StringBuilder (etr);

str\_ser. severe();

System.out.printer (str. equely (str-ser. toString ());

4

0(n) & 0(n)

Efficient -> Compare first & last cheracters.

Int begin 20;

while ( Legin Lend)

E if (str. chest (Legin) ! = str. eherAtlend)) if

setum falle;

3

begin ++;

y setum true

1

I. Chulif a Strong is subseq of other Note -> Substoring in continuous, not subsequence.

Note -> Substoring in continuous, not subsequence.

2 note possible for n-letter word. Naire -> Generate all outsez & compere all. 0(21\*1). efficent -> 2 pointer apposech. P ( 81[?] = = 82[j] ) { (4+) j++; 3 else 2 it; 3. return ( 3 == x length ()) O Check for Anegram 2/p -> 81, "Listen" 82 2 " silent" O/P -> Yes Name - Sout both and compase. In Java sort \_s [cher al] = x. to Char Array (); ]

Arrays. sort [a];

81 = new string (a);

Efficient -> Country freq like in first question.

Count to for letter in Str1 of At end count array count -- for Gene in Atrz for all cher mut seo.

Q. Reverse woods in a Brong

I/P ~ "welcome to gtg"

O/P ~ "gtg to welcome"

T/p -> "ase"

Maire -> Use Stack., strings seperated by space.
(Auxiliary space)

Efficient Reverse individual words
(Bonstont & Kon reverse the whole string.
space)

1) -> abc bda 2) -> cba adb 3) -> bda abc