```
Day-15
   strings and String Builders
             (a), b', 4n', 4+1 > Examples of characters
         "Hi", "Hello", "How are you?" > Examples of Arings
                   Even a" is a string
                   String stri= "I like rown!";
   declaration & l'uitialization
    InJava sie capital String str2= new string ("but I get old");
 To print => System.out. printen (stri);
     Taking i/P >> String Str = SC. next (1);
             Streng str = se-nextLine();
abe
abe
det ghi
(C) Heller Heller College
 . String addition/comatenation
                                 Al Man de tenta
                                String a = "Hello!"
   String b = "my name is khau";
  string intro = at "14bi
                                      Some in-built functions
> str.length()
-> Str-substring (starting, ending)
                                Eg. "Hello folks!"
                              str. substreuglis)
                           1> ello
        Eg: str="abc/def, ghe, jkl mnop";
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er.

eg: str="abc/defiguilly "ghi", "jkimnop")

Ly ["abe", "def", "ghi", "jkimnop"]

A str. trim!)

Trauscersin -1. Eg: import java. util. Arrays', public static void main (string [] ags) & class Solution & string str="Hello, I'm coming, Byel, "}; s.o.pln (str. keug th.()); g. p.pin (str.char A+(31)) s.o.pin (str. sub string (7,19)); S.o.pin (Str. substring (A)); string ourt] = str. split (","); 9.0. pin (Arrays. tostring carri); o, I'm com S.o.pln (str. contains ("commings")); o, I'm coming, Bye! s.o.pln (str. contains ("coming"); [Hello, I'm coming, 出色 11-trim ByU, string str2 = str. trim(); Salle S.O. pln (str 2); HUIO, I'm true coming, Byc! netto, I'm comérg, By! string comparison "abcd" ai Stri. equals (Str2) m stri, equals Eg more Care (Str2) CI Stri. compare To (S472) Int to string & string to Int 1) Integer-parce Int (Str) connect string to int 27 Integer- to string() > convents Int to string

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formation

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Bout memory allocation
                                                                                                                                        (Interving)
                                                                                                        String S1 = "learn Yard"1
                                                                                                                            Strongs oure immulable
                                                   the state of the s
     Aring Builder
   Aring Builder str= new string Builder ("abcdef");
fg: Setchar Af
                                                                                                                                                           str. setCharAf (2, 'z1);
    O) check if a given string is a palindrome or not
                                                                                                  reads come when &
                                                                                                                                      backeoard
                  import java uti. Stanner;
                          public static void main (stringer arge)
                             scanner se = new scanner (system. in),
                               string str-se-next();
                                Pat =0, j=S+r.length()-1;
                              String am = "yes";
                                      while (i L=i)2
                                      if (str. charAf(i))= str-charAf(i))?
                                                 and = "No";
                                                  break;
                                            y 5.0.pln(aus);
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DO!

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> The main différence b/w 15tring and 'String Builder in Jan in their neutrability

"Immutability vs mutuability

· Strong >

- Strings in Java auce immedable, meaning once a estring, object le created, its content cannot be changed. Any operation that appears to modify a string outually creaty

" / 1 G / . 1 / G 3 1 / / /

The same of the sa

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Ströng Builder

- stringBuilder is medable, allowing you to modify the widers of the string without creating a new object

-It is more efficient for situations where you need to perform à lot of string manipulation, such as concatenation or

public class stringBuilderoOperations d publie statie void main (String [7 args) &

StrengBuilden streng Builder - new Streng Builder ("Hello"); stringBuilder. appendl "world");

string Builder. Tuseet (5, "Java");

stringbuilder. delete (5,10);

stringBuilder replace (0,5, 4Hill);

int length = string Builder, length ();

int capacity = stringBuilder. capacity():

S.o. pln ("Result: " + stringBuilders); -> Hi World So.pln ("ceugth: "+1eugth); > 8

So.pln ("Capacity." + capacity); >21