GOOD MORNING EVERYONE

We will start @ 10:10 am

Staing , 4 group of characters double quotes -> String in Jona is immutable 4 nou-perimitive detatype 4 syntax: String str= (1). DSA - Bootcamp 4 User input of string Hning str = scu. next(); 3 DSA Bootcamp. string ste = cem. next line();

Gling Atr = "Abide fight" | 11 12 13 | contr fashion

4 Indaing in Atring (storts with zero).

4 Length of string = no. of characters im a string

4 Jenyth ()

4 str. charAt(6); -> (f)

ban address.

YK)

YK+2

A b c d

YK+1 YK+3

index = how far from her base b = 4k+1-4k= 1 a = 4k+3-4k=3

rempare deta of two strings - we use equals for. In order to not = - X in Java. lu:- string strl= "abc"; string strz= "def"; opp is a boolean value. strl. equels ((+r2); , frese. Li if data is same - time 4K+12 4 otherwise OIP + false. string str3= "obe"; X 4) == - in string compare address. Interpool Justin if 542/= Storing story = new storing ("abol") met examp is almosting Ly forcing to create a (string)

```
substring of acting str = "about of ghij";
                                                                            last index is excluded
                          1 Atr. substring (startlup index, ending index +1); = str. substring (3,9)
                         Str. substring (starting index); > str. substring (4)

Ly to last

4 efg hij
            String str= "abidefghijkli
  Rick points

Str. (5, 12)

11 error.

Str. (5, 12)

Str. (11)
                          Str. substring (5,5); \Rightarrow (5,4) \Rightarrow no character in this \Rightarrow empty engine \Rightarrow empty .
                             Atr. substring (14,14) 7 (14,13)
                                                           4 both ou invalid index a cryox
                             str. substrup (6) - ghijkl
                              Att. Aubstring (11) + L
                               str. substring (12) - empty (burg it's the length of the string
                                str. sub string (15) & crear a out of 6 aunt.
```

String of "aba"

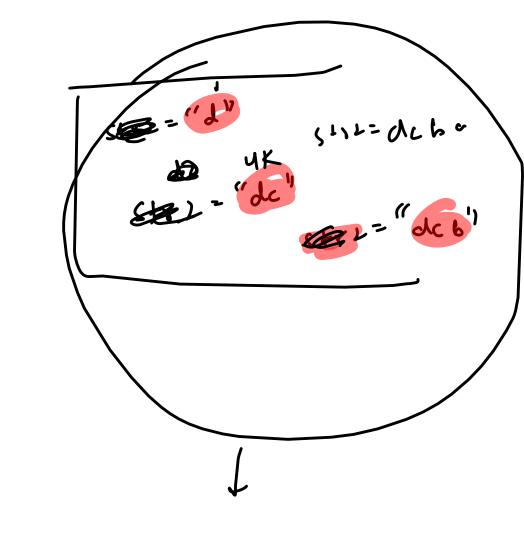
4 and whether the given string is a palindrome extrat?

4 the house.

4 aba) of palindrome

5 aba) object object of the abar X

Str= "obcd" strz: 'dċ Stolt = str. charact (i); Lowerfine java creature a now stang in interpool.



Functions in Java

$$n \left(x = \frac{n!}{x! (n-x)!} \right)$$

$$(n-1)$$
] = $1 \times 2 \times 7 \times --- (n-1)$ + and 3
Ly for (int i=1; (i=(n-1); (i+1))

ans: (ano1) / (ane2 x ane3)

```
public class Main
Bad badod
                          public static void main(String[] args) {
                               int n = 5;
                               int r = 2;
                               int ans 1 = 1;
                               for(int i=1;i<=n;i++) {</pre>
                                   ans1 *= i;
                               int ans2 = 1;
                               for(int i=1;i<=r;i++) {</pre>
                                   ans2*=i;
                               int ans3 = 1;
                               for(int i=1;i<=(n-r);i++) {</pre>
                                   ans3 *= i;
                               int ans = (ans1)/(ans2*ans3);
                               System.out.println(ans);
```

DRY & Don't Report Young.

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Dry Don't Report Young.

Uplate and which

Uplate DRY period ple.

4 a block of code used to pupour a springic task.

public static return type fn-name (arguments) [Function La name of trefor

```
public class Main {
   public static int factorial(int n) {
       int ans = 1;
       for(int i=1;i<=n;i++) {</pre>
           ans *= i;
       return ans:
   public static void main(String[] args) {
       int n = 5;
       int r - 2;
                                              adough for with volue is)
       int ans1 = factorial(n);
       int ans2 = factoricl();
       int ans3 = factorial(p-r);
       int ans = (ans1)/(ans2*ans3);
       System.out.println(ans);
                ano= (120) = 10
```

```
int am = 1

for (int i=1; ic=5; i++) (

am = 120

int am = 1

for (int i=1; ic=2; ix+)

am = 2

int am = 1

for (int i=1; ic=3; ix)

for (int i=1; ic=3; ix)

for (int i=1; ic=3; ix)

(allies fortund for with value (n-r));
```

-> R chun type

h int sintyer

4 boolen

4 (void) no return