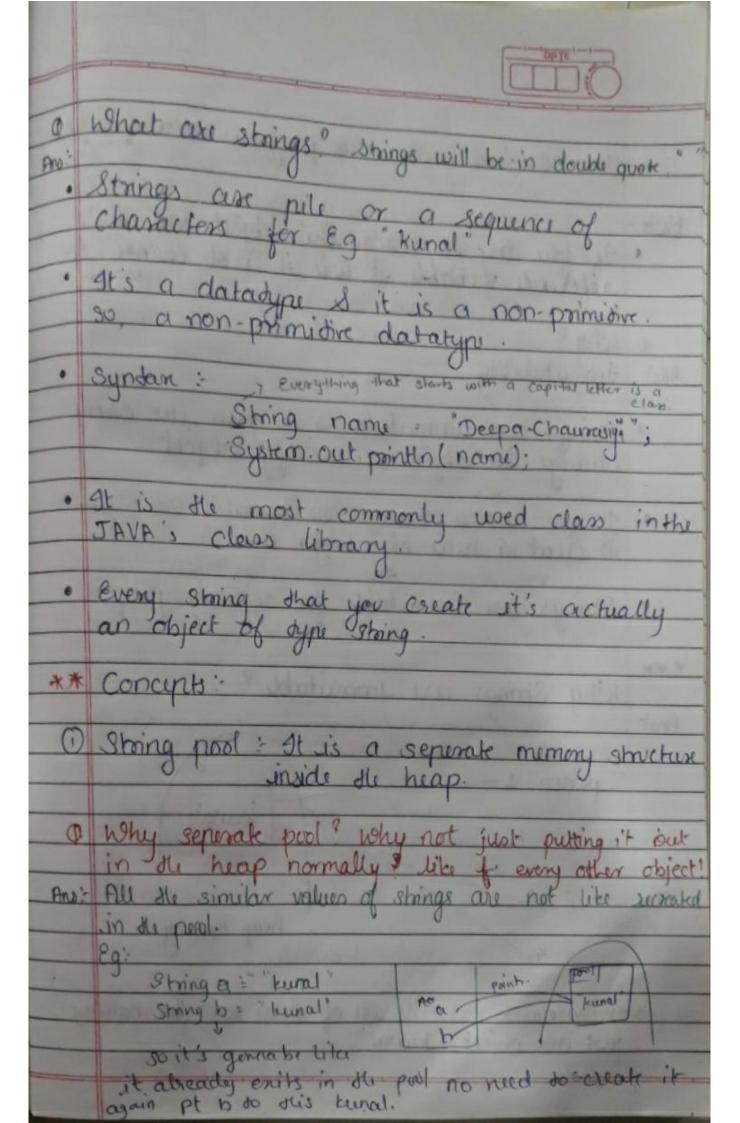


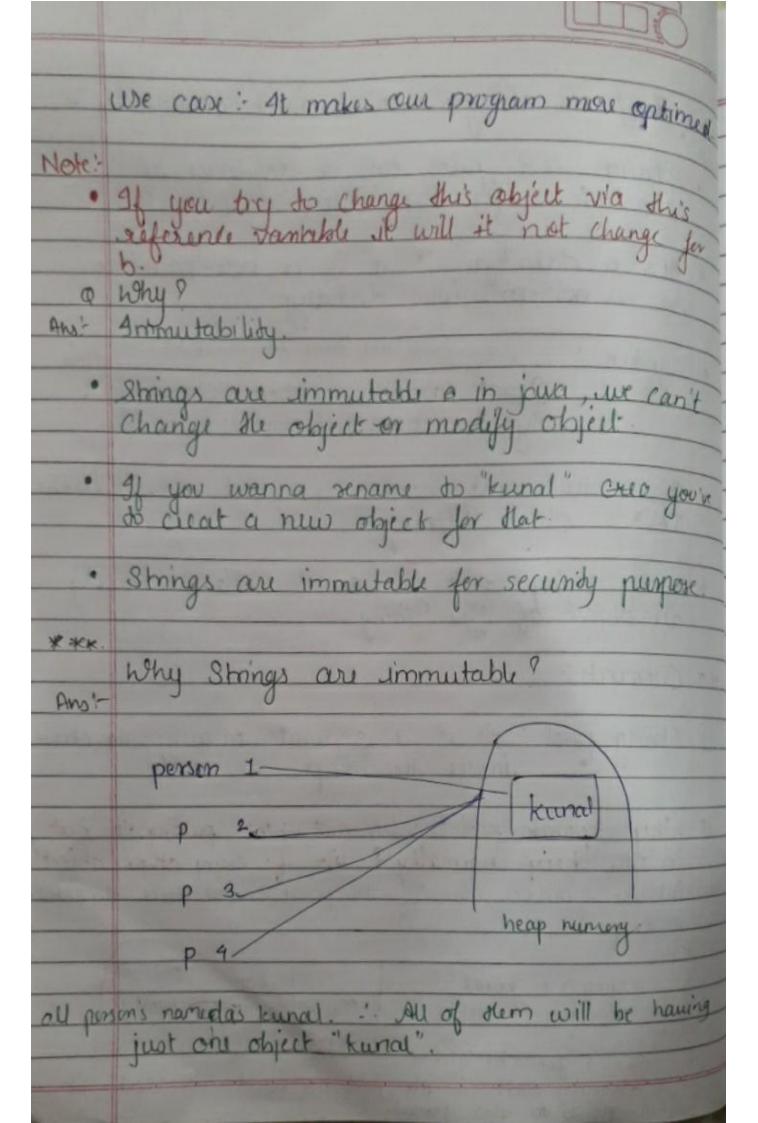
(d) Dynamic minory allocations: Performs type checking · Here, errors might not shown at sill

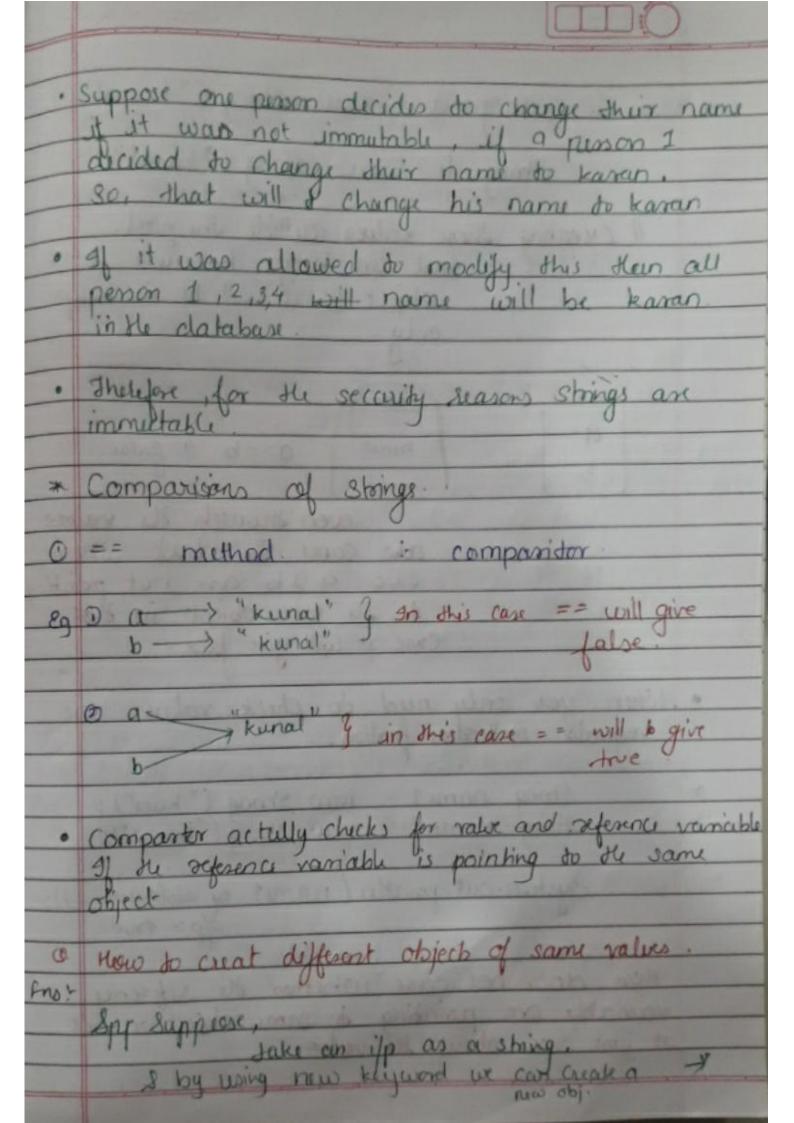
- Me program rum.

No need to del declare a datatype of a

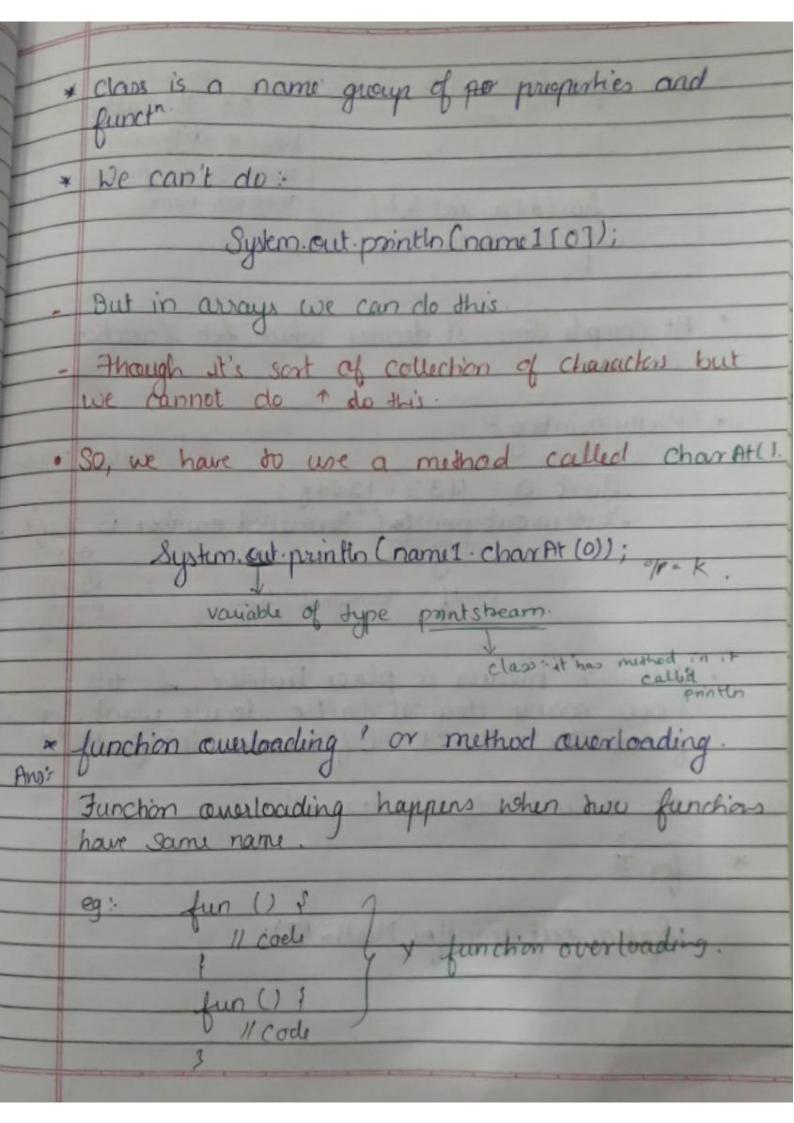
verniable · It saves dime in wriding code but might give error at murdime. 5) Marbage collections: · More than an reference variable can points · It any changes made afin the object of an reference variable that will be reflected to all others pointing to the same object. If there is an object without reference variable then the object will be distroyed by yarbage collection · So that's how yarlonge collection works.







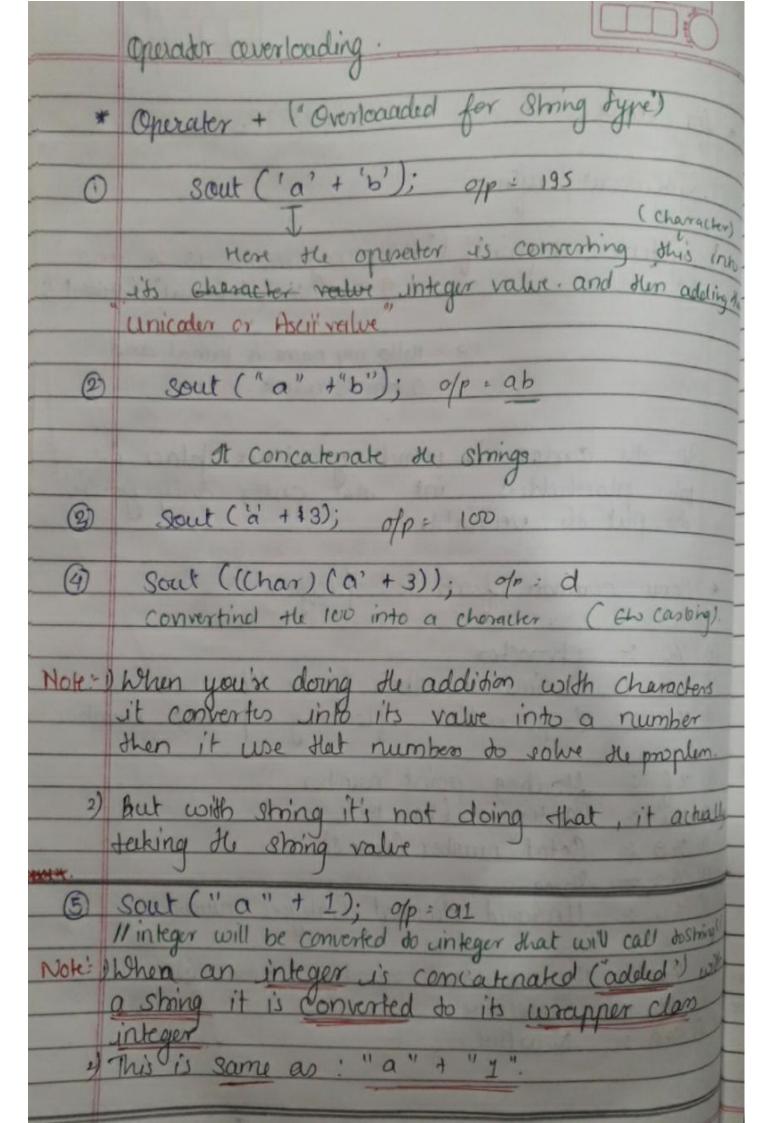
String a = new string ("kunal") String b = new String (kuraly Il creating these values coulside the port but in heap because it is object so it will be in heap speci) a== b 11 false. kunal hunal are same the but there two as b are not pointing to the same object in that case it will give Jaloe. · When you only ned to check value, use equals method or function. String name 1 - new String ("kund"); String name 2 - new String ("kunal"); 90, System. out. println (name 1. equals (name 4)); ofp: true Her does not care whether the reference variable are pointing to same object or not it just cares about the value.



of fun Cinta) ? 94 It's allowed having different argum with same function/ fun (inta, int b) & method name. At compile time, it decides which fich function * Pactty printing: float a = 433.1234 f;

System.out pointle ("Formatted number is 1/26+
a): printl : - Fermatted string · val 1 means a place holder & till how many decimal value do we want for eg: 2. 1.27 (f because it's float) It rounds off all as well. for IT System out printle (Math. PI);

* for String System out printer System.out.print (" Hello my name is 1. and 9 am 1., "kund", "student"); ofo: Hello my name is kunal and I am student. So, the order in which you have place the ph placeholders, int that order only you've for put the variable · Some common formate specifien: () 1.c :-Character 2 7. d: Decima number (base 10) Emponential floating - point number Gloating - point number Interger (base 19) Octal number (base 8) @ 7. f :-1/0 2 :-6 % 9 :-@ 7.S :-Shing Unsigned decimal (integer) number (8) 7. 0 :-Henadecinal number (base 16) 9 7.x :-1 7.t :- Date time New line. 1 7. n :-

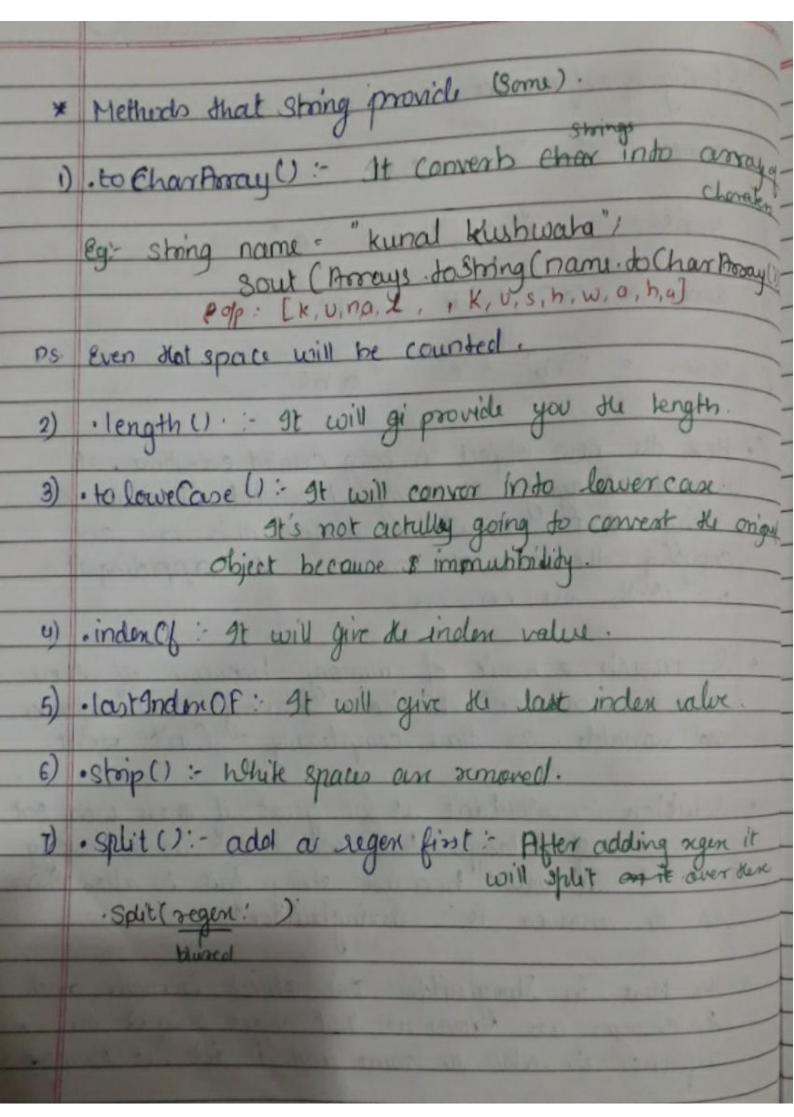


Sout ("kunal" + new Arraylist <>(1); ofp : Kund () Initially amoust is then it's converted so, we know this will be like an object of type integer hence, it's calling the following, which is returning a normal brackets. Since it empty it will acture a empty ownay. 3 Sout (new Integer (56) + new Array List <>()); correct to cannot be appried to integer and array list * Operator it in Java is only defined for primitives and when any one of shese values is a string and you can only use this with all the complex objects as well. But, the cor only condition is at kaste one of these object should be of type string. Eg: Sout (new Integer (56) + " + new Amay list <> (1); this will weste complex of compler obj of type string Hex the entire result will be of string type. of

So, on string objects the plus operator is being overloaded, because it concatenate more than one strings of gava operator overloading is not supported for some software engineering but consideration Bat, in C++ it is supported. so, you barically toperator, you can basically modify what the plus it operator is doing in C++ I also in python · you can also make it act like as a multiplication or substring subtraction, you can add complex data type at as well. · But this results in poor code, that is why un Java it is not supported. · Java has only given is operator overloading encuption for strings, but you cannot do it on shjeck of your own type like array, hashman it will not allow ever for the modification.

et's only operator that is intentionally overloade in java to support string concatenation or string joining. · new Integer (): In future it's going to be (2) sout ("a" + 'a'); of : aa ig one one of the de dype is string and will Shing?

-	Strine - 1
-	String performance
(A)	Comes : " "
0	Senes: " " + "a" a"
0	series : "a" + "b" = "ab"
_	, p . a.p.
60	genies = "ab" +'(' abc"
	abc
Ø.	Here the man of int in
	is not charming it being creaked everytime. It
	Strings are anginal object because do
	Copyline the mi ald
	Here the new object is being creaked everytime. It is nort changing the original object because to strings are immutable shefter this one one copyling the one old one and the applicing it we wish the new one.
	The variable of the second of
•	So much a waste of memory because of their and it was event be have having carry reference was variable. So time complexity: Obo's worst.
	and it wa exert he have having any sekrene
	wal variable. So time complexity = Olory warnt
	Solution: wouldn't it be great if there was sost
75	of datadyne that will allows us do modily
	if value because strings fails to allow this.
	So, de answer is - Stringbuilder
*	Here Here in Stringbuilder one object is made and
	the changes are done in that object only is the
	reference is also the same and it will not changed
*	Stringbuilder is a squerale class.



THE TOTAL OF THE PARTY OF THE P	
Code of polr palindrom string. Time on	
public skus Palindsomshing of Public static resid main (String[] angs)? String str = "ababa";	
· 3 System. out. println(isPalin(shr))3	_
Static brolean is Palin (String Str) & that is this will rull. If I this is = 0.	man
	-
temper of here length () == 0) & here length is a method south of the length is a method gour complete as wint calot do the as some Str = Str - to Lawer Case (); -> Converts the String into tower	
out to string into tower	TCIX
Str. length -1) = last inelen (- Char end = Str. Char At (i); every time we will be doing -i b, suppose i=2 -1-i); then end index should br, end index -2. Hence	ь <u>о</u>
if (Strat != end) rutum flass;	
9	
g return flow;	