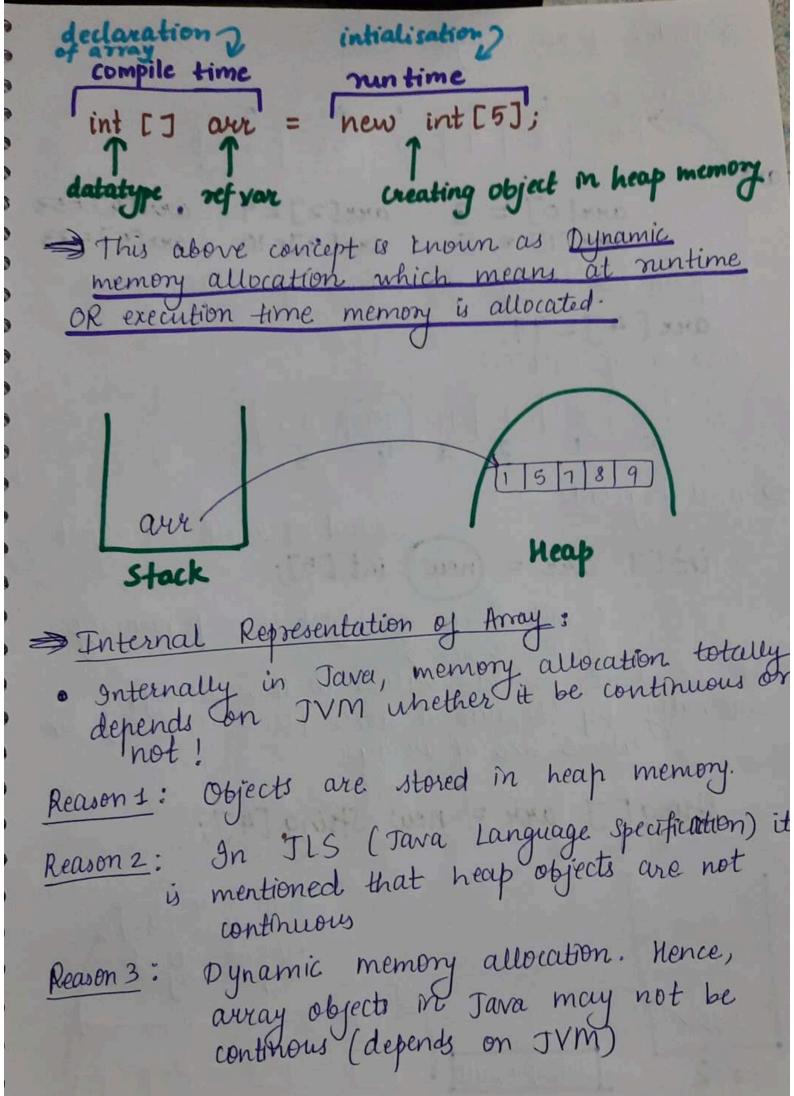
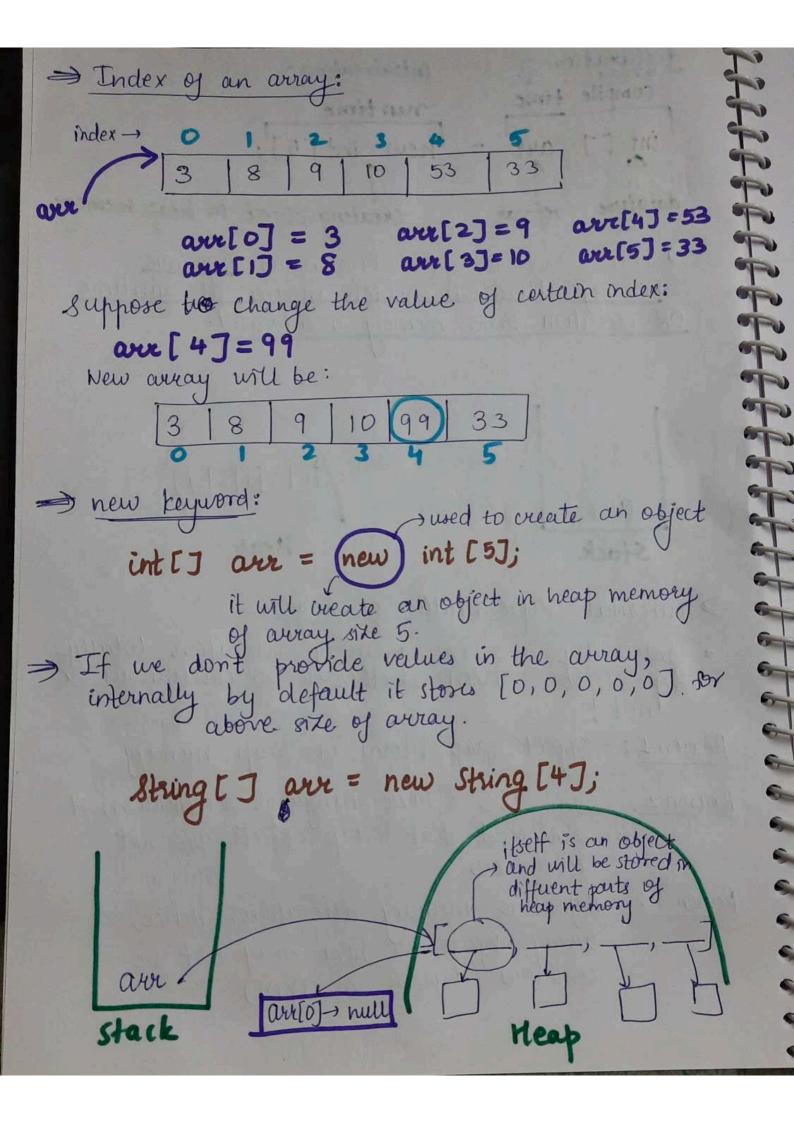
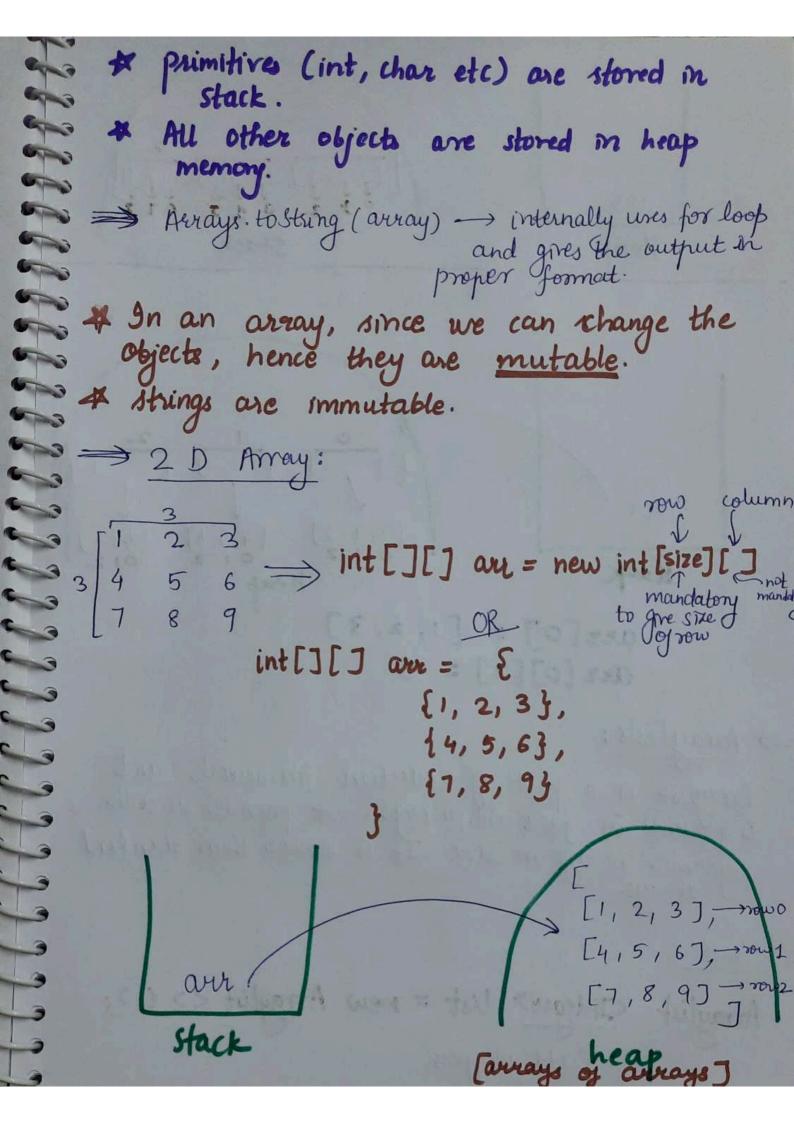
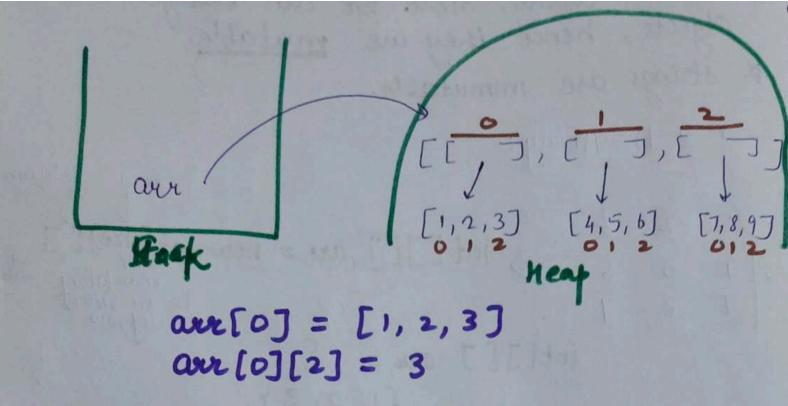
10/8/21 Introduction to Arrays of Arraylist in Java Why do we need Arrays! It was simple when we had to store just five metiger numbers and now let's assume we have to STO D Store 5000 integer numbers. Is it possible to use To handle these situations, in almost all programming language we have a concept called Array. 9 9 Tray is a data structure use to store a collection O'g data. > syntax of an Array: datatype [] variable_name = new datatype[size]; eg: we want to store roll numbers:

Int[] rollnos = new int[5] roll numbers int[] rollnes = {51,82,13,15,163, represent the type of data stored in away. All the type of data in & array should be same! 6 6 => Internal working of array: int [] vollnos; // declaration of array rollnos are getting defined instack **C** 6 rollnes = new int [5]; // mitialisation -Here, object is being created in heap memory.









> Arraylists:

Arraylist is a part of collectron framework and is present in java. util. package. It provides us with dynamic arrays in Java. It is slower than standard arrays.

Syntax:

Arraylist (Integer'> list = new Arraylist <> ();
add wrappers.

- > Internal Working of Arraylist:
- · size is fixed internally
- · suppose arraylist gets filled by some amount a) It will make an arraylist of say double the sixe of arraylist initially.
 - b) old elements are copiled in the new awaylist.
 - c) old ones are deleted.