In c/c++, programmer is susponsible for both coreation and destruction of objects. Osually programmer reglects destruction of useless objects. Due to this negligence, at cortain point, for creation of new objects, sufficient memory may not be available and entire program will terminate abnormally causing Outof Memory Forors.

But in Java, the programmen need not to care for all these objects which are not longer in use, Garbage collector destroys these objects!

Crarbage collector is always running in backgrown.

Main abjective of horrbage Collector is to free
theap memory by destroying unreachable
objects.

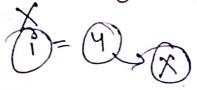
Unreachable objects

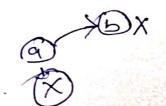
An object is said to be unreachable if it doesn't contain any reference to it. Also note end object unich are part of island of isolation are also unreachable.

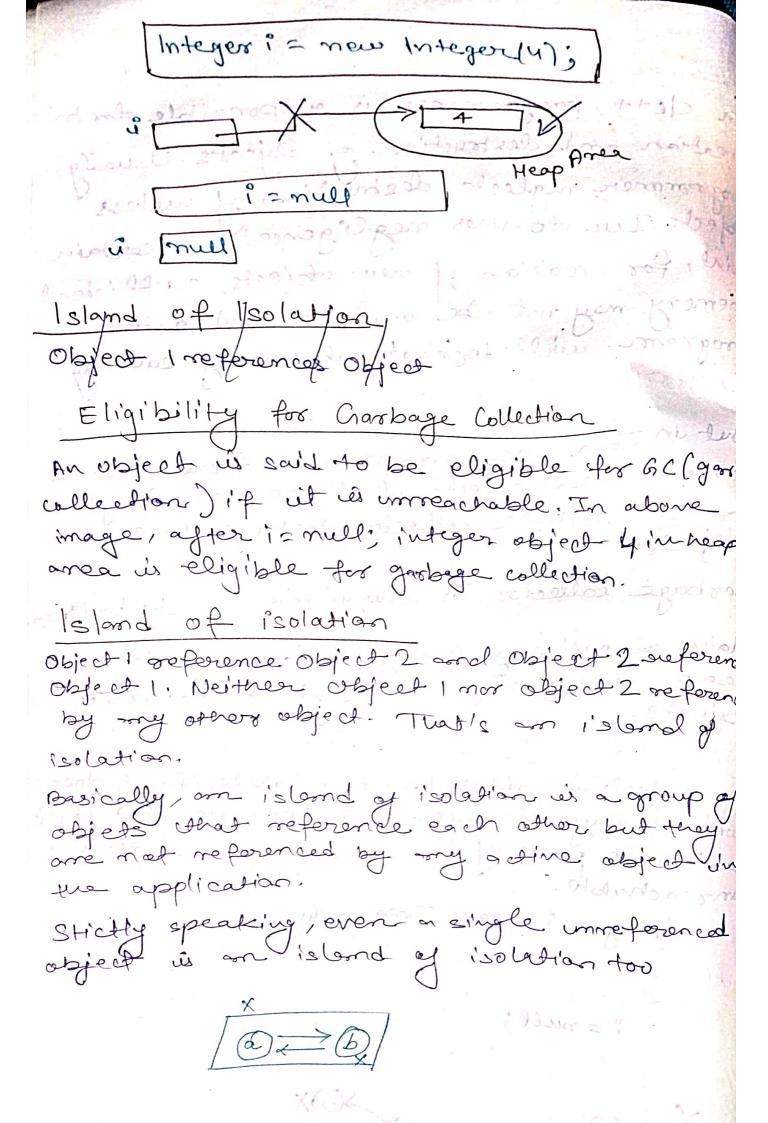
Integer i = new Integer (4);

1/ Are new vinteger object is reachable via the overforence in 13?

11 the integer object is no longer reachable.







public class Test Test vi)
public static void main (string [] args) 7 Test \$ d1 = new Test(); Test &2 = new Test(); 11 object of +1 gets a copy of +2 41.9 = 22; Mobject of +2 gets a copy of +2 チマ・ゴニ チェラ 11-Till now no object eligible 11 For garbage collection. Mnow two objects are eligible for 11 gantage calle tion. 42= null', in Elem 11 calling garbage collection. System.gc(); TYPES OF CARBAGE COLLECTION Servial Crarabage Collections. Parallel Garbage Collectors. CMS Garbage Collectors. ar har bage Collector (0) spol ox spol 4; Clark Property as situation Enorther E 1812 (Opp) 71

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