Pseudocode: Name: G. Sahitya Reg No: 192211567 Assignment Arraylist Operations Write a Java program to perform the following Operations using an arraylist. Add elements to the list remove an element by index search for element & display. Import java util Arraylist; import java util Scanner; Public class Arraylist operations { Public Static void main (String [] args) { Arraylist < String > list = new Arraylist < > (); System. Out. Println (" enter the name: "); while (true) { String input = Scanner. nextline (); if input equals Ignore Case ("Exit") break; list add (input);

System Out · println ("Gnter name to Search");

String Searchname = Scanner · next ();

int Position = list index of (Search name);

if (Position! = -1) {

System · Out · Println ("found");

y else {

System out printly ("not found");

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Create a program that demonstrates that use of hashed Store Correction of names. Add a name to set and remove from set, Check set and display all the names. import . java : utif. Hashset ; import. java. vtil. Scanner; Public Class Hash Operations { Public Static void main(String[] args) { Hashset < String > names = new Hash Set < > (); ·System. Out. Println (" enter name to remove"); String remove name = Scanner-nexetline (); names remove (remove name); System. Out println ("enter name to check:"); String Check name = Scanner nextline(); if (names contains (check name)) } System out printly (check name); 9 else E System. Out Println (" Current name"); for (String name: names) { System. Out · Println (name) ; y Scanner Close();

write a java Program that demonstrates the use of a priority queue to shape employee, include functionality and priorities and employee & display a queue. import java util. Priority Queue; import java util Scanner; Public class priority Queue Operations ? Public static void main (String[] args) { priority queue < employee > queue; Scanner S= new Scanner (System.in); System out Print in Cuenter the names"); While(true) { Scanner. rest line();
String input = Scanner. rest line(); of Cinput equals Ignore Case ("Exit")); Static Class Employee implements Comparable < employee - String mamery to many more a come int priority; Employee, String name, int Priority { this name =name; this Priority = Priority y publicint compare to (Employee others) { return integer. Compare (this. Priority)

Create a Hashmap that Stores student IDS and their names your program should add key Value Hashmap Rename a Student wing their ID display all student entries Import java Util Hashmap; import java util Scanner; Public Class Hashmap operations & Public Static void main (String [] args) { Hashmap < Integer, String > Student Map: new Hashmap <>C); Scanner S = New Scanner (system:10); System. Out. Pront (Genter Student ID9); if Search ID = Scanner. next Int(); if (student name! = null) { System. out. Print (n (a found Studenty); yelse ? System. out prontin (4 No Student found 9); Port remove ID = Scanner next Int(); System out Printin Co Courrent Student Entires ); for (integer id: Student map. key Set ()) { System and Printle (4 ID4); scamer.cbse(); 4