```
Arraylist operations
(1)
    wike 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. Amay but;
    import java util sanner!
    Public Class Arraylist Operations of
        Public Static void main (String [] args]
       Array List 2 string > List = new Array List <> ) ();
      System.out. printly ("enter the name: ")
      while (threst
                    filter , out privated outer some to
      String Input = Scanner. next line ();
       if input equals Ignore Case ("Exit") break;
      list.odd Cinputs;
      System out Println ("Enter name to search");
     String Searchname = scanner.next().
    int position = list index of Gearch name);
     if (position! = -1)d
          System.out. Println ("found");
   gelsed System.out. println ("not found");
     for Cstring name: List ) d
            System, out print by Chames;
```

Sanner Close 1);

Create a program that demonstrates that use of hash set stone correction of names. Add a name to set and venue from set, Check set and display all the names. import java. util. Hashset; import java. util. Hashset; import java. util. Scanner; Public Class Hash operations of public Static void main (String CJ orgs) of

Hashset Z String > names = new Heish Set Z > ();

System out. println ("enter name to remove");

String remove name = scanner inextline (s;

names . remove (remove name);

System out. println ("enter name to Check "s;

String Check name = scanner . nextline (s;

if (names contains (Check name)) of

System. out. println (checkname);

else d

System. out. println ("Current name");

for (string name: names);

System. out. println (name);

Samer Close ();

3

curite a Java program that demonstrates the use of a priority queue to share employee, include functionality and priorities and Employee and 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 cemployee) queve;
      Scanner S = new Scanner (System. in);
     System. out. println C"Enter the names"!
     While (true ) of
         String input = Scanner next line();
        if (in put equals Ignore Case ("Exit")),
Static Class Employee implements Comparable L'employée)
  String name ;
   int pronty.
  Employee, String name, int priority 1
    this name = name / whom had although to and
    this priority = priority;
                           Sugar Of March . framers
 Public into Compare to Comployee othersold
return integer. Compare (this priority)
```

(4)

Create a Hashmap that Stores Student IDS and their names your program Should add key value Hashmap. Rename a student using their ID display all student entries.

import, Java util. Hashmap, import, jour, util. Scanner; Public Class Hashmap operations

Public Static void main (String [] args.) 1 Hash map < integer, strings Student Map! new Hashmap ()();

Scanner S= new Scanner (system.in); System. out. Print ("enter student ID);

Search ID = Scanner nest Int ();

if (student mame! = no11) { System. out . println ("found Student");

gelse 1

I of word this more gride, site System. out pointly ("No student found"s!

fund remove ID = Scanner next lite;

System.out. println C'Orrent Student Entries " J'

for (integer id : Student map. keyset ()) {

System. out. println ("Io");

Garner . Close();