Name : P Geetha Sri
Reg No : 192211372
Subject : CSA0914 Java

Assignment

Arraylist operations:

1. Write a Java program to perform the following operation using an arraylist. Add elements to the list

```
import java.util.Arraylist;
import java.util.Scanner;
    public class Arraylist Operations {
Arraylist <String> list = new Arraylist<>();
System.out.println ("enter the name:");
while (true) {
 String input = scanner.nextLine();
 list.add(input);
}
System.out.println ("Enter name to search");
String searchname = scanner.next();
  if (position = -1) {
      System.out.println ("found")
 }else {
      system.out println ("not found");
    }
  }
```

Create a program that demonstrate that use of hash set store correction of name

```
import java.util.HashSet;
import java.util.Scanner;
public class hash operation {
public static void main (string[] args){
Hashset.Out.println("enter name to
Remove");
string remove name = Scanner.nextline();
names.remove (remove name);
if(names, contains (check name);
for (string name : names){
    System.out.println (name);
    }
    scanner close();
    }
}
```

Create a hashmap that stores student IDs and their names your program should add key value hashmap.

```
import .java.util.hashmap;
import.java.util.scanner;
public class Hashmap operation {
  public static void main (string[] args);
Hashmap <integer>
student Map: new Hashmap <>();
 scanner s= new scanner (system.in);
  System.out.print ("enter student ID");
if searchID = scanner.nextInt();
if( student name != null){
 System.out.println ("found student");
}else{
   System.out.print ("NO student found");
 int Remove ID = scanner.next In();
for (integer id; student map.key set()){
    system.out.println ("ID");
  }
   scanner.close().
 }
}
```

5 Write a java program that demonstrate the use of a priority queue to share employee, include functionality and priority.

```
import java.util.priorityqueue;
 import java.util.scanner
 public class priority Queue operations{
public static void main (string[] args()){
priority queue <employee> queue;
 while (true){
  string input = scanner.next line();
 if (input.equals ignore case ("exit");
}
static class employee implements comparable
<employee>
    {
    string name;
        int priority;
      this.name = name;
     this.priority = priority;
  }
public int compare to (employee other){
 Return integer.compare (this.priority)
}
}
}
```