Assignment - 3

CSA0914 : programming in java for Raspberry pi

C. Gnanendra
192211158

Array list operations

```
import java.util.Arraylist
 public class
 Arraylist operations{
  public operations static void
  main (string [] args){
 Arraylist <string> list = new Arraylist<>();
  list.add ("Apple");
  list.add ("Banana");
  list.add ("orange");
  list.remove (1);
  string searchElement = "orange";
int index = list.indexof(search
                          element);
if (index != -1){
system out.print(searchElement + "is
     found at index:" + index);
  }else{
 system.out.print (search element +"
   is not found in the list");}
```

```
for (string element : list) {
system.out.print (element);
}}}
```

2) Hashset operation

```
import java.util.Hashset;
public class Hashset operations
{
public static void
main (string[] args) {
hash set<string> nameset = new Hash
                           set<>();
 nameset.add ("John");
 nameset.add ("Alice");
 name set.add ("Bob");
name.set.remove ("Alice");
 string.checkname. = "Bob";
 if (name set contains (check Name))
 {
system.out.print (check Name)){
 }else{
System.out.print (check Name + "is
  not found in the set");}
```

```
for (String name : name set ){
System.out.print(name);
}
}
```

Priority queue operations:

```
import java.util.priority queue;
Public class
Priority queue operation.{
 Public static void
 main (string [] args) {
  priority.queue <string>
employee.queue = new priority queue
                 <>();
employee queue.add ("employee1");
employee queue.add ("employee 3");
employee queue.add (".employee 2");
system.out.print ("Removed employee
                 :" + employee.Queue.poll());
system.out.print ("Remaining employees"
    for (string employee : employee queue
```

System.out.print(employee);}}}

4) hash up operations

```
import java.util.hashmap;
import java.util.Map;
Public class hash Map operations{
  public static void main(string[] args){
  hashMap<Integer, String> student
    Map = New
    hash map<>();
student Map put(101, "john");
student map.put(103, "Bob");
    int search.ID = 102;
(student Map.contains key(search.ID)){
 }else{
system.out.print("ID" + "Name");
  }
  }
  }
```