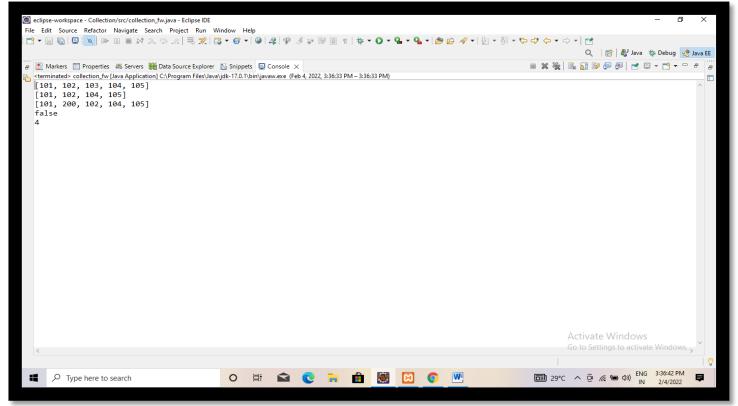
```
Name : Kshitij Shelke
Ref. No. SCS/CG/2021/024
   1.) Collection List:
Code:
import java.util.ArrayList;
import java.util.List;
public class collection fw {
     public static void main(String[] args) {
           // TODO Auto-generated method stub
           List<Integer>list=new ArrayList<Integer>();
           list.add(101);
           list.add(102);
           list.add(103);
           list.add(104);
           list.add(105);
           System.out.println(list);
           list.remove(2);
           System.out.println(list);
           list.add(1,200);
           System.out.println(list);
           System.out.println(list.contains(103));
           System.out.println(list.indexOf(105));
     }
}
```



2. Collection Add List PGM

Source Code:

```
public class Employee {
     private int empid;
     private String empName;
     private float empSal;
     public int getEmpid()
           return empid;
     public void setEmpid(int empid) {
           this.empid=empid;
     public String getEmpName() {
           return empName;
     public void setEmpName( String empName) {
           this.empName = empName;
     public float getEmpSal() {
           return empSal;
     public Employee(int empid, String empName, float empSal) {
           super();
           this.empid=empid;
           this.empName=empName;
           this.empSal=empSal;
     public String toString()
{
"EmployeeArrayList[empid="+empid+",empName="+empName+",
empsal="+empSal+"]";
}
     }
Second Class to invoke methods
import java.util.ArrayList;
import java.util.Collections;
import java.util.Iterator;
```

```
import java.util.List;
public class EmployeeListDemo {
       public static void main(String[] args) {
              // TODO Auto-generated method stub
              List<Employee>employee=new ArrayList<Employee>();
              Employee Emp=new Employee(101, "Aaj", 2020.80f);
              employee.add(Emp);
              employee.add(new Employee(103, "Rohan", 20256.f));
              employee.add(new Employee(105, "Renu", 20258.f));
              employee.add(new Employee(104,"Neha",20456.f));
              employee.add(new Employee(102,"Zombie",20956.f));
          System.out.println(employee);
          Iterator it=employee.listIterator();
          while(it.hasNext()) {
              Employee emp=(Employee)it.next();
       System.out.println(emp.getEmpid()+"\t"+emp.getEmpName()+"\t"+emp.
getEmpSal());
          ArrayList<String>al=new ArrayList<String>();
          for(int i=0;i<employee.size();i++) {</pre>
              Employee emp= employee.get(i);
              String name=emp.getEmpName();
              al.add(name);
          Collections.sort(al);
          System.out.println(al);
          Collections.reverse(al);
          System.out.println(al);
               }
                                                                         Q 🔡 🐉 Java 💠 Debug 🧏 Java EE
                                                                      *terminated> EmployeeListDemo [Java Application] CAProgram FilesJava)did:170.11binljavaw.exe (Feb 4, 2022, 3:42:03 PM-3:42:03 PM)
[EmployeeArrayList[empid=101,empName=Aaj, empsal=2020.8], EmployeeArrayList[empid=103,empName=Rohan, empsal=20256.0], EmployeeArrayList[empid=10!
               Aai
               Rohan 20256.0
           105 Kenu 20258.0
104 Neha 20456.0
102 Zombie 20956.0
[Aaj, Neha, Renu, Rohan, Zombie]
[Zombie, Rohan, Renu, Neha, Aaj]
                                                                    O # 🛍 🥲 📔 🕟 🐠
          Type here to search
```

3. Collection Queue

```
Source Code:
```

```
package EmployeeListDemo;
import java.util.ArrayDeque;
public class QueueDemo {
     public static void main(String[] args) {
           ArrayDeque<String>arrayDeque=new ArrayDeque<String>();
           arrayDeque.push("Rohan");
           arrayDeque.push("Raj");
           arrayDeque.push("Ravi");
           arrayDeque.push("Kunal");
           System.out.println(arrayDeque);
           arrayDeque.pop();
           System.out.println(arrayDeque);
           arrayDeque.pop();
           System.out.println(arrayDeque);
     }
}
```

