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Link Project : <https://github.com/alfirdausfaisalramadhani/EmployeeCRUD>

### Pertanyaan Tertulis

1. buat contoh query menggunakan HQL
2. buat contoh array list
3. buat contoh iteration

Jawab:

1. Contoh query HQL

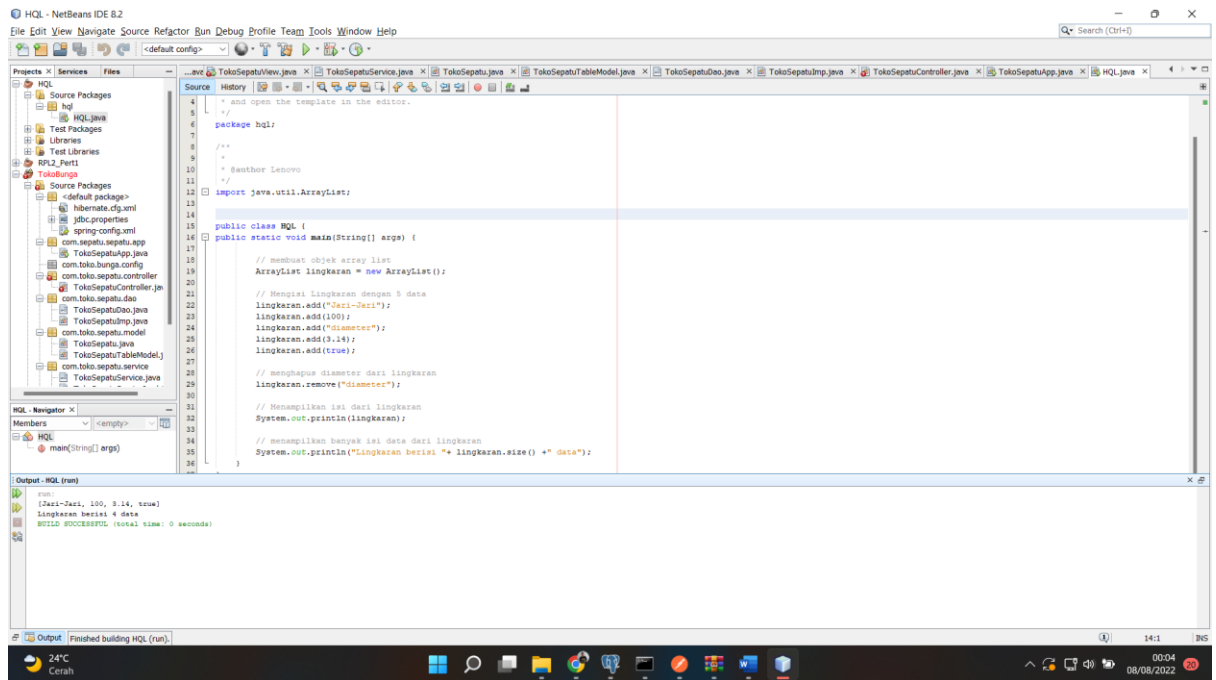
```
Mahasiswa.setNim("50418423");  
Mahasiswa.setFullNameName("AlfirdausFaisalRamadhani");  
Mahasiswa.setAddress("CitraRaya");  
Mahasiswa.setHandphone("081315769770");
```

```
Query query2 = session.  
createQuery("FROM Mahasiswa where rollNo = 50418423");  
Mahasiswa mhs1 = (Mahasiswa) query2.uniqueResult();  
System.out.println("NIM: " + mhs1.getNim());  
System.out.println("Nama Lengkap: " + mhs1.getFullName());  
System.out.println("Alamat: " + mhs1.getAddress());  
System.out.println("No Handphone: " + mhs1.getHandphone());
```

Output:

```
NIM: 50418423  
Nama Lengkap: AlfirdausFaisalRamadhani  
Alamat: Citra Raya  
No Hanphone: 081315769770
```

## 2. Contoh Array List



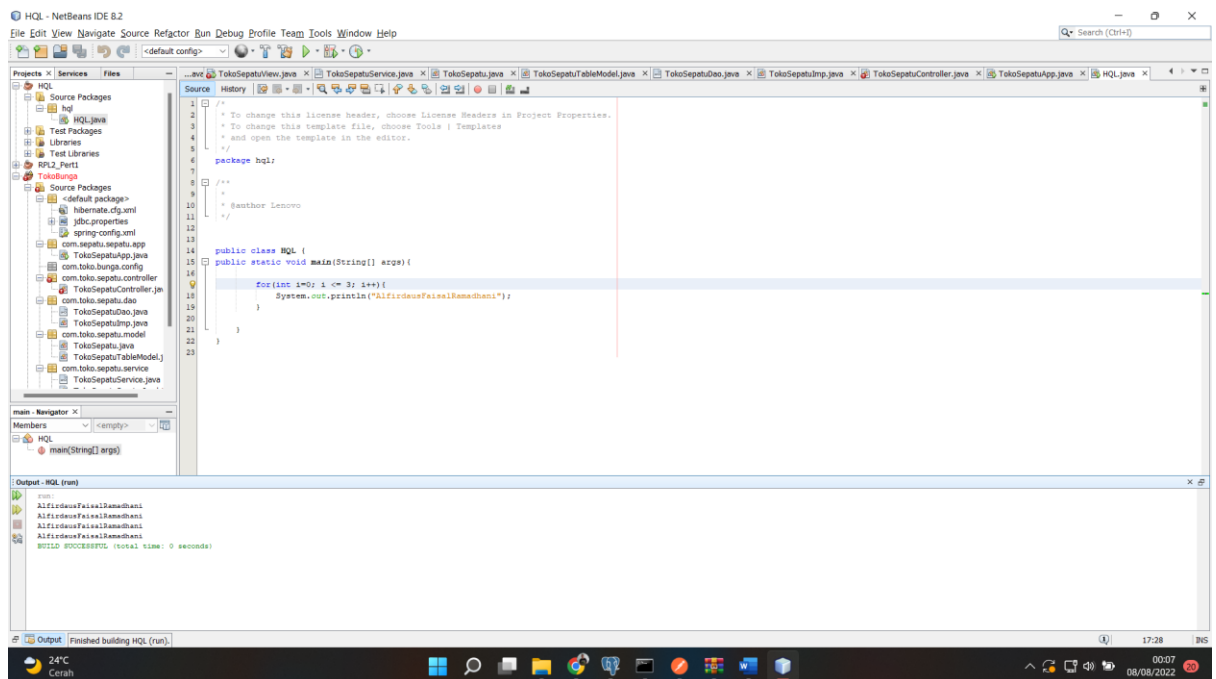
The screenshot shows the NetBeans IDE with a project named 'HQL'. The 'HQL.java' file is open, displaying the following code:

```
1  * and open the template in the editor.
2  */
3
4  package hql;
5
6  /**
7   *
8   * @author Lenovo
9   */
10
11  import java.util.ArrayList;
12
13
14  public class HQL {
15
16      public static void main(String[] args) {
17
18          // membuat objek array list
19          ArrayList lingkaran = new ArrayList();
20
21          // Mengisi lingkaran dengan 5 data
22          lingkaran.add("Jazi-Jazi");
23          lingkaran.add(100);
24          lingkaran.add("diameter");
25          lingkaran.add(3.14);
26          lingkaran.add(true);
27
28          // menghapus diameter dari lingkaran
29          lingkaran.remove("diameter");
30
31          // Menampilkan isi dari lingkaran
32          System.out.println(lingkaran);
33
34          // menampilkan banyak isi data dari lingkaran
35          System.out.println("Lingkaran berisi " + lingkaran.size() + " data");
36      }
37  }
```

The output window shows the following results:

```
run
main
[Jazi-Jazi, 100, 3.14, true]
Lingkaran berisi 4 data
BUILD SUCCESSFUL (total time: 0 seconds)
```

## 3. Contoh Iteration



The screenshot shows the NetBeans IDE with a project named 'HQL'. The 'HQL.java' file is open, displaying the following code:

```
1  * To change this license header, choose License Headers in Project Properties.
2  * To change this template file, choose Tools | Templates
3  * and open the template in the editor.
4
5  package hql;
6
7  /**
8   *
9   * @author Lenovo
10  */
11
12
13  public class HQL {
14
15      public static void main(String[] args) {
16
17          for(int i=0; i <= 3; i++){
18              System.out.println("AlfirdausFaizalRamadhan!");
19          }
20      }
21  }
```

The output window shows the following results:

```
run
main
AlfirdausFaizalRamadhan!
AlfirdausFaizalRamadhan!
AlfirdausFaizalRamadhan!
AlfirdausFaizalRamadhan!
BUILD SUCCESSFUL (total time: 0 seconds)
```