

Islamic Education

A Summary of Lecture on Human Beings and Religion



Name

Muhammad Baihaqi Aulia Asy'ari

NIM

2241720145

Class

1I

Department

Information Technology

Study Program

D4 Informatics Engineering

1.1 Learning Objective

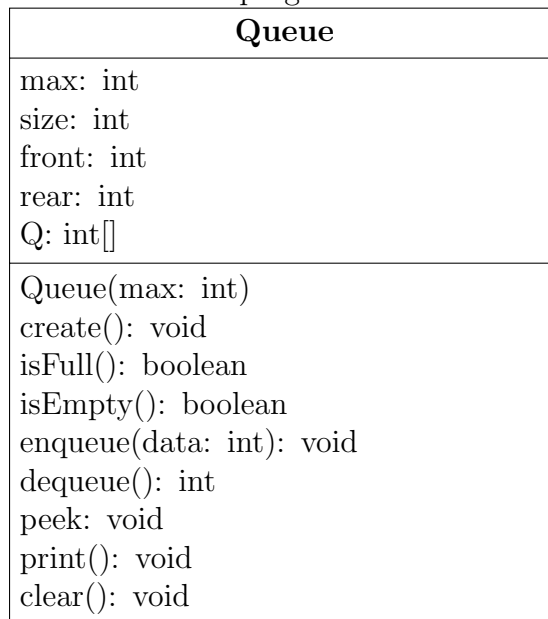
After finishing this topic, students must be able to:

1. Understand the basic concept of Queue
2. Understand the basic operation of Queue
3. Implement the Queue concept as well as the operation in a program by using Java

1.2 Lab Activities 1

1.2.1 Steps

1. We will create a program based on this following class diagram



2. Create a new project named Jobsheet8, create a new package with name practicum1. After that, create a new class Queue
3. Add max, size, front, rear and Q as its attributes based on the class diagram above.
4. Add a constructor with parameter and method create as illustration below.

```
public Queue(int n) {  
    max = 4;  
    Create();  
}
```

Within the constructor, there is a code to execute create(). then we make the create function

```
public void Create() {  
    Q = new int[max];  
    size = 0;  
    front = rear = -1;  
}
```