

1. Tujuan

- Mendapatkan input dari command-line
- Mengetahui cara untuk memanipulasi properties dari sistem
- Membaca standart input
- Membaca dan menulis file

2. Percobaan

Percobaan 1 : Standart Input – Membaca Karakter

```
import java.io.*;

public class StandartInput {

    public StandartInput() {
    }

    public static void main(String args[]) throws IOException {
        System.out.println("Hi, what's your favorite character?");
        char favChar;
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        favChar = (char) br.read();
        System.out.println(favChar + " is a good choice!");
    }
}
```



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Output Percobaan:

```
Output - JENI_Source_Code (run-single)
init:
deps-jar:
compile-single:
run-single:
Hi, what's your favorite character?

Input |A|
```

```
Output - JENI_Source_Code (run-single)
init:
deps-jar:
compile-single:
run-single:
Hi, what's your favorite character?
A
A is a good choice!
BUILD SUCCESSFUL (total time: 49 seconds)
```



Percobaan 2 : Membaca Keseluruhan String

```
package jeni.textbased.application;
import java.io.*;
public class GreetUser {

    public GreetUser() {
    }
    public static void main(String args[]) throws IOException {
        System.out.println("Hi, what's your name?");
        String name;
        BufferedReader br = new BufferedReader(new
        InputStreamReader(System.in));
        name = br.readLine();
        System.out.println("Nice to meet you, " + name + "! :)");
    }
}
```



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Output Percobaan

```
Output - JENI_Source_Code (run-single)

init:
deps-jar:
compile-single:
run-single:
Hi, what's your name?

Input: Rizzatama
```

```
Output - JENI_Source_Code (run-single)

init:
deps-jar:
compile-single:
run-single:
Hi, what's your name?
Rizzatama
Nice to meet you, Rizzatama! :)
BUILD SUCCESSFUL (total time: 56 seconds)
```



Percobaan 3 : Membaca File

```
import java.io.*;
public class ReadFile {

public ReadFile() {
}
public static void main(String args[]) throws IOException {
System.out.println("What is the name of the file to read from?");
String filename;
BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
filename = br.readLine();
System.out.println("Now reading from " + filename + "...");
FileInputStream fis = null;
try {
fis = new FileInputStream(filename);
} catch (FileNotFoundException ex) {
System.out.println("File not found.");
}
try {
char data;
int temp;
do {
temp = fis.read();
data = (char) temp;
if (temp != -1) {
System.out.print(data);
}
} while (temp != -1);
} catch (IOException ex) {
System.out.println("Problem in reading from the file.");
}
}
}
```



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Output Percobaan

```
Output - JENI_Source_Code (run-single)
init:
deps-jar:
compile-single:
run-single:
What is the name of the file to read from?

Input d:\temp2.txt
```

```
Output - JENI_Source_Code (run-single)
init:
deps-jar:
compile-single:
run-single:
What is the name of the file to read from?
d:\temp2.txt
Now reading from d:\temp2.txt...
Selamat Datang di JENI Indonesia 2007
BUILD SUCCESSFUL (total time: 34 seconds)
```

Percobaan 4 : Menulis File

```
import java.io.*;
public class WriteFile {

    public WriteFile() {
    }
    public static void main(String args[]) throws IOException {
        System.out.println("What is the name of the file to be written to?");
        String filename;
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        filename = br.readLine();
        System.out.println("Enter data to write to " + filename + "...");
        System.out.println("Type q$ to end.");
        FileOutputStream fos = null;
        try {
            fos = new FileOutputStream(filename);
        } catch (FileNotFoundException ex) {
            System.out.println("File cannot be opened for writing.");
        }
        try {
            boolean done = false;
            int data;
            do {
                data = br.read();
                if ((char)data == 'q') {
                    data = br.read();
                    if ((char)data == '$') {
                        done = true;
                    } else {
                        fos.write('q');
                        fos.write(data);
                    }
                } else {
                    fos.write(data);
                }
            } while (!done);
        } catch (IOException ex) {
            System.out.println("Problem in reading from the file.");
        }
    }
}
```



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Output Percobaan

```
Output - JENI_Source_Code (run-single)

init:
deps-jar:
compile-single:
run-single:
What is the name of the file to be written to?
D:\temp2.txt
Enter data to write to D:\temp2.txt...
Type q$ to end.

Input: JENI - Java Education Network Indonesia q$
Close Input
```

```
Output - JENI_Source_Code (run-single)

init:
deps-jar:
compile-single:
run-single:
What is the name of the file to be written to?
D:\temp2.txt
Enter data to write to D:\temp2.txt...
Type q$ to end.
JENI - Java Education Network Indonesia q$
BUILD SUCCESSFUL (total time: 48 seconds)
```