

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.*;

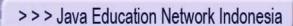
public class StandartInput {

   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!");
    }
}
```







Output Percobaan:

```
Output - JENI_Source_Code (run-single)

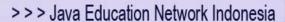
init:
deps-jar:
compile-single:
run-single:
Hi, what's your favorite character?

Input A

Close Input
```

```
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

```
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.");
```





Output Percobaan

```
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 ((chardata == '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.");
     }
```





Output Percobaan

```
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)
```

