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WEEK 12 OOP-LECTURE IF433-I

File Character.java

```java
package Week12_Lec.Tugas;

public class Character {
    protected String nama;
    protected int maxHealth, currentHealth;
    protected int attackPoint, defensePoint;

    public Character() {}

    public Character(String nama, int maxHealth, int curHealth, int
atkPoint, int defPoint) {
        this.nama = nama;
        this.maxHealth = maxHealth;
        this.currentHealth = curHealth;
        this.attackPoint = atkPoint;
        this.defensePoint = defPoint;
    }

    public String getData() {
        String data = "Nama : " + nama + ", ";
        data += "Max Health : " + maxHealth + ", ";
        data += "Current Health : " + currentHealth + ", ";
        data += "Attack Point : " + attackPoint + ", ";
        data += "Defense Point : " + defensePoint;
        return data;
    }

}
```

File CharacterApp.java

```java
package Week12_Lec.Tugas;

import java.io.*;
import java.util.Scanner;

public class CharacterApp {

    public static void main(String[] args) {
        try {
            Character obj = new Character("Hero", 100, 10, 30, 40);

            File file = new File("sample.json");
            if(file.createNewFile()) {
                System.out.println("File berhasil dibuat");
            } else {
                System.out.println("File sudah ada");
            }
            System.out.println();
            try {
                file.setWritable(true);
                FileWriter nulis = new FileWriter("sample.json");
                nulis.write(obj.getData());
                nulis.close();
                System.out.println("Berhasil menulis pada file
'sample.json'");

                System.out.println();
                System.out.println("Isi dari 'sample.json'");
                try {
                    Scanner reader = new Scanner(file);
                    while (reader.hasNextLine()) {
                        String data = reader.nextLine();
                        System.out.println(data);
                    }
                    reader.close();
                } catch(Exception ex) {
                    System.out.println(ex.getMessage());
                }
            } catch(Exception ex) {
                System.out.println(ex.getMessage());
            }
        } catch(Exception ex) {
            System.out.println(ex.getMessage());
        }
    }

}
```

Output pada terminal:

```
File berhasil dibuat

Berhasil menulis pada file 'sample.json'

Isi dari 'sample.json'
Nama : Hero, Max Health : 100, Current Health : 10, Attack Point : 30, Defense Point : 40
```