Nama   : Siti Marni

NIM   : 20220040029

Kelas   : TI22C

PBO SESI 9

1. Java String Length()
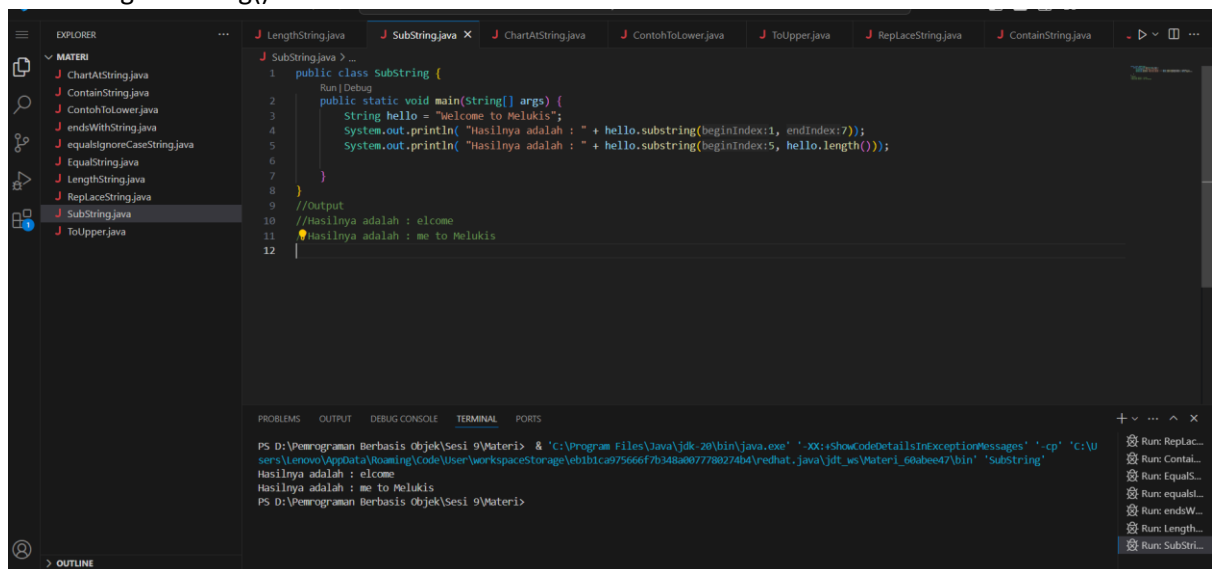

2. Java String Substring()

3. Java String chartAt()


```java
public class ChartAtString {
    public static void main(String[] args) {
        String name = "Melukis";
        System.out.println( "Hasilnya adalah huruf: " + name.charAt(index:4));

    }
}

//Output:
//Hasilnya adalah huruf: k
```

Terminal:
```
PS D:\Pemrograman Berbasis Objek\Sesi 9\Materi>  & 'C:\Program Files\Java\jdk-20\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\U
sers\Lenovo\AppData\Roaming\Code\User\workspaceStorage\eb1b1ca975666f7b348a0077780274b4\redhat.java\jdt_ws\Materi_60abee47\bin' 'ChartAtString'
Hasilnya adalah huruf: k
PS D:\Pemrograman Berbasis Objek\Sesi 9\Materi>
```
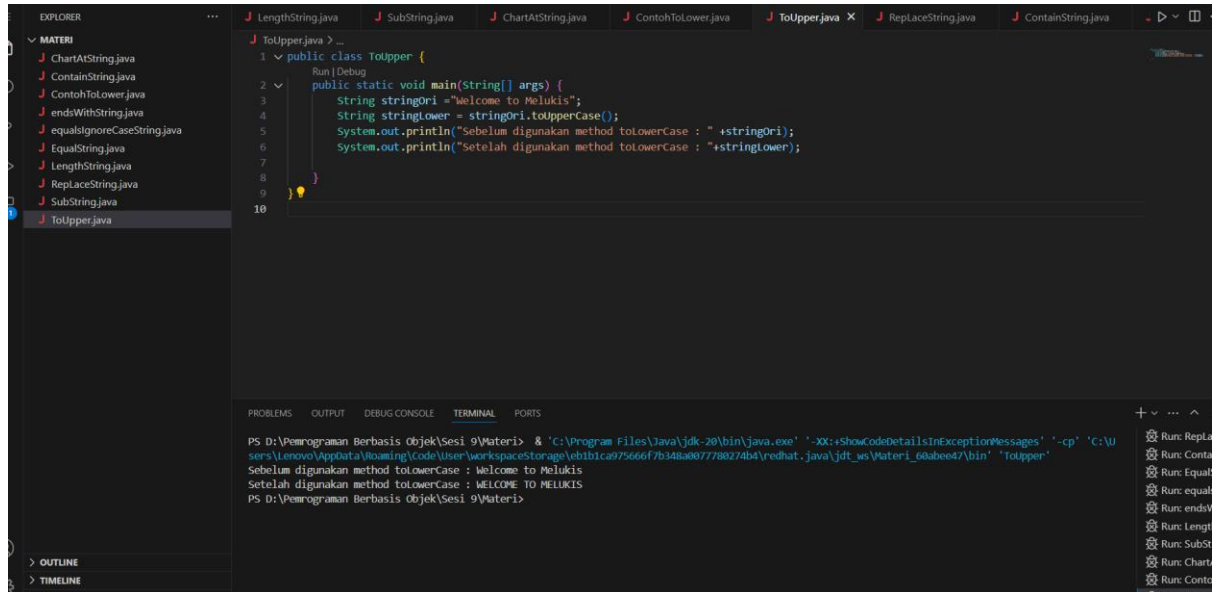
4. Java String toLowerCase()


```java
public class ContohToLower {
    public static void main(String[] args) {
        String stringOri ="Welcome to Melukis";
        String stringLower = stringOri.toLowerCase();
        System.out.println("Sebelum digunakan method toLowerCase : " +stringOri);
        System.out.println("Setelah digunakan method toLowerCase : "+stringLower);

    }
}
```

Terminal:
```
PS D:\Pemrograman Berbasis Objek\Sesi 9\Materi>  & 'C:\Program Files\Java\jdk-20\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\U
sers\Lenovo\AppData\Roaming\Code\User\workspaceStorage\eb1b1ca975666f7b348a0077780274b4\redhat.java\jdt_ws\Materi_60abee47\bin' 'ContohToLower'
Sebelum digunakan method toLowerCase : Welcome to Melukis
Setelah digunakan method toLowerCase : welcome to melukis
PS D:\Pemrograman Berbasis Objek\Sesi 9\Materi>
```

5. Java String toUpper()


```java
public class ToUpper {
    public static void main(String[] args) {
        String stringOri ="Welcome to Melukis";
        String stringLower = stringOri.toUpperCase();
        System.out.println("Sebelum digunakan method toLowerCase : " +stringOri);
        System.out.println("Setelah digunakan method toLowerCase : "+stringLower);

    }
}
```

```
PS D:\Pemrograman Berbasis Objek\Sesi 9\Materi> & 'C:\Program Files\Java\jdk-20\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\workspaceStorage\eb1b1ca975666f7b348a0077780274b4\redhat.java\jdt_ws\Materi_60abee47\bin' 'ToUpper'
Sebelum digunakan method toLowerCase : Welcome to Melukis
Setelah digunakan method toLowerCase : WELCOME TO MELUKIS
PS D:\Pemrograman Berbasis Objek\Sesi 9\Materi>
```
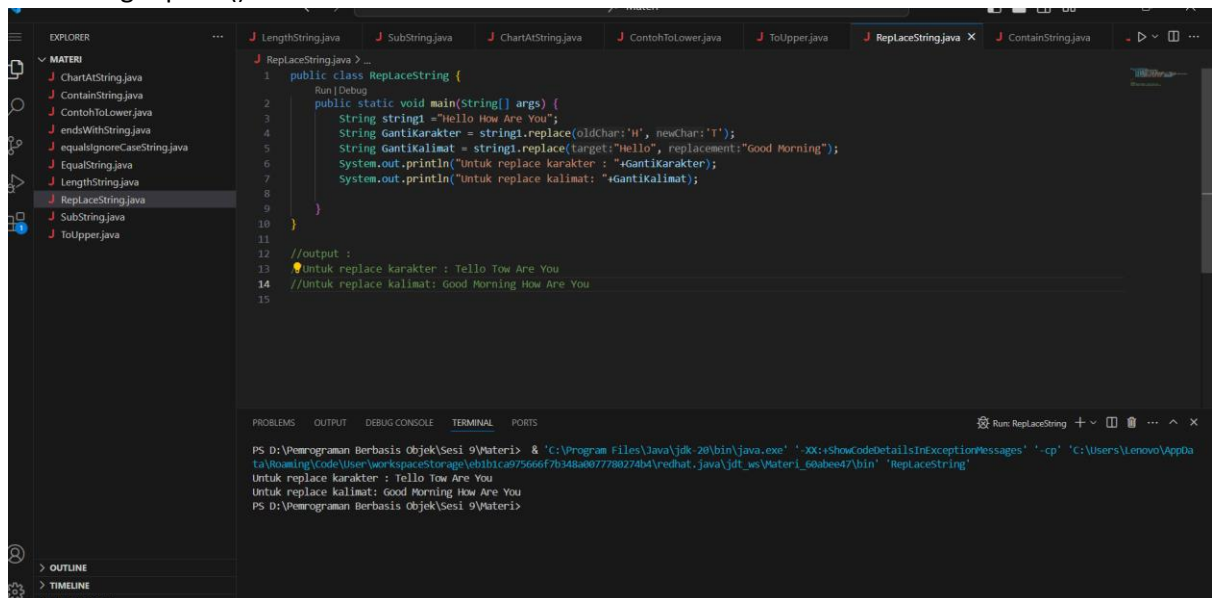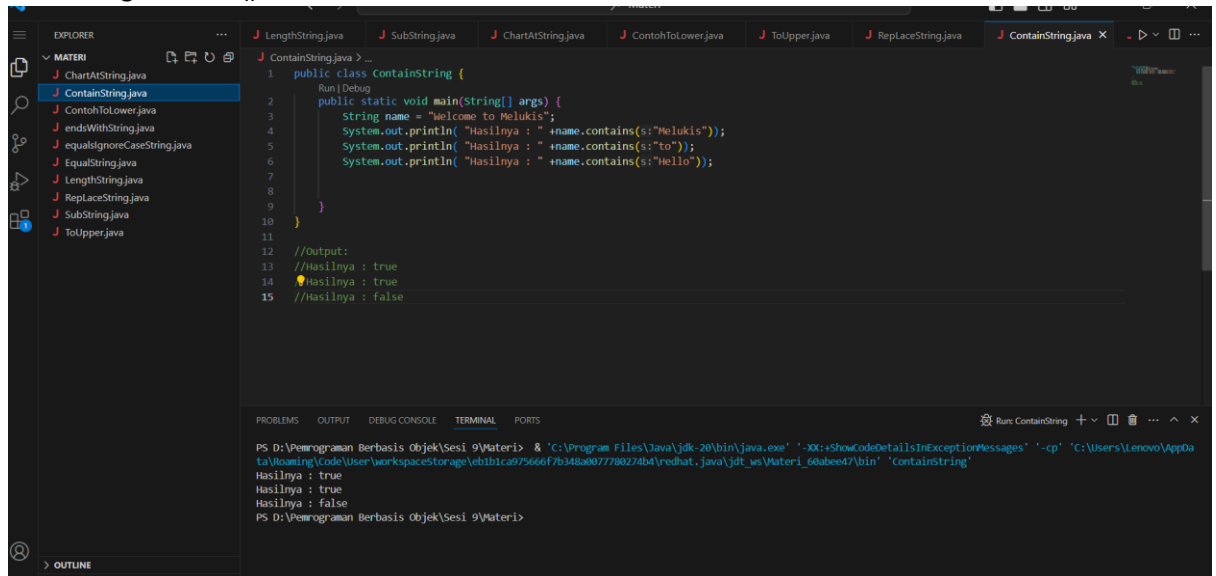
6. Java String replace()


```java
public class RepLaceString {
    public static void main(String[] args) {
        String string1 ="Hello How Are You";
        String GantiKarakter = string1.replace(oldChar:'H', newChar:'T');
        String GantiKalimat = string1.replace(target:"Hello", replacement:"Good Morning");
        System.out.println("Untuk replace karakter : "+GantiKarakter);
        System.out.println("Untuk replace kalimat: "+GantiKalimat);

    }
}

//output :
//Untuk replace karakter : Tello Tow Are You
//Untuk replace kalimat: Good Morning How Are You
```

```
PS D:\Pemrograman Berbasis Objek\Sesi 9\Materi> & 'C:\Program Files\Java\jdk-20\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\workspaceStorage\eb1b1ca975666f7b348a0077780274b4\redhat.java\jdt_ws\Materi_60abee47\bin' 'RepLaceString'
Untuk replace karakter : Tello Tow Are You
Untuk replace kalimat: Good Morning How Are You
PS D:\Pemrograman Berbasis Objek\Sesi 9\Materi>
```
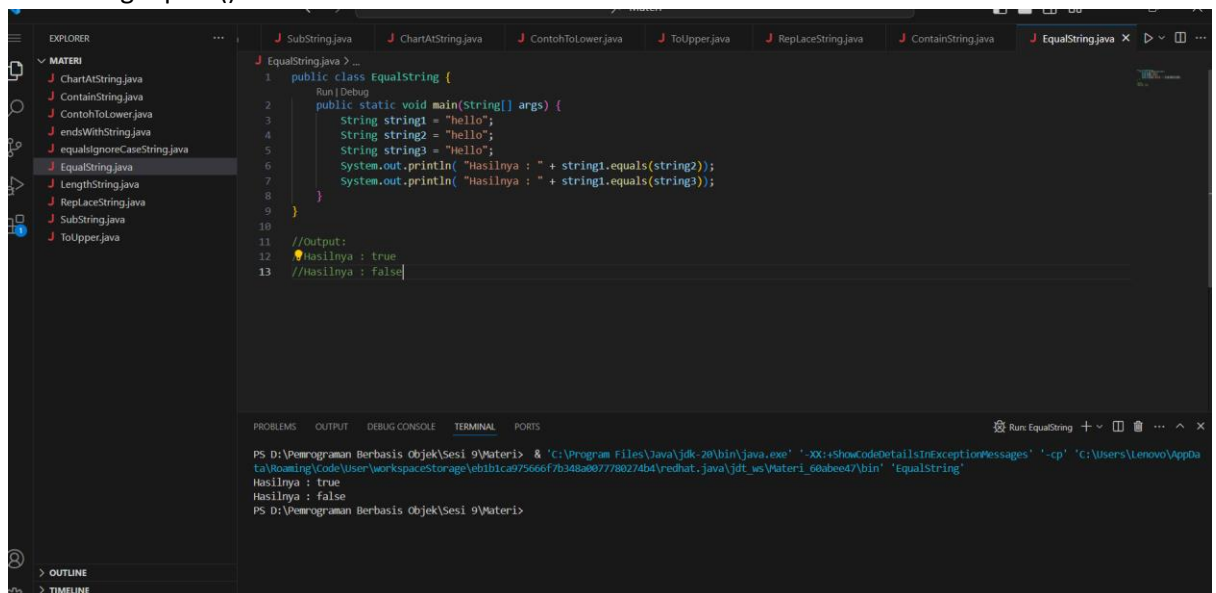
7. Java String contains()


```java
public class ContainString {
    public static void main(String[] args) {
        String name = "Welcome to Melukis";
        System.out.println( "Hasilnya : " +name.contains(s:"Melukis"));
        System.out.println( "Hasilnya : " +name.contains(s:"to"));
        System.out.println( "Hasilnya : " +name.contains(s:"Hello"));


    }
}

//Output:
//Hasilnya : true
//Hasilnya : true
//Hasilnya : false
```

Terminal output:
```
PS D:\Pemrograman Berbasis Objek\Sesi 9\Materi>  & 'C:\Program Files\Java\jdk-20\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\workspaceStorage\eb1b1ca975666f7b348a0077780274b4\redhat.java\jdt_ws\Materi_60abee47\bin' 'ContainString'
Hasilnya : true
Hasilnya : true
Hasilnya : false
PS D:\Pemrograman Berbasis Objek\Sesi 9\Materi>
```
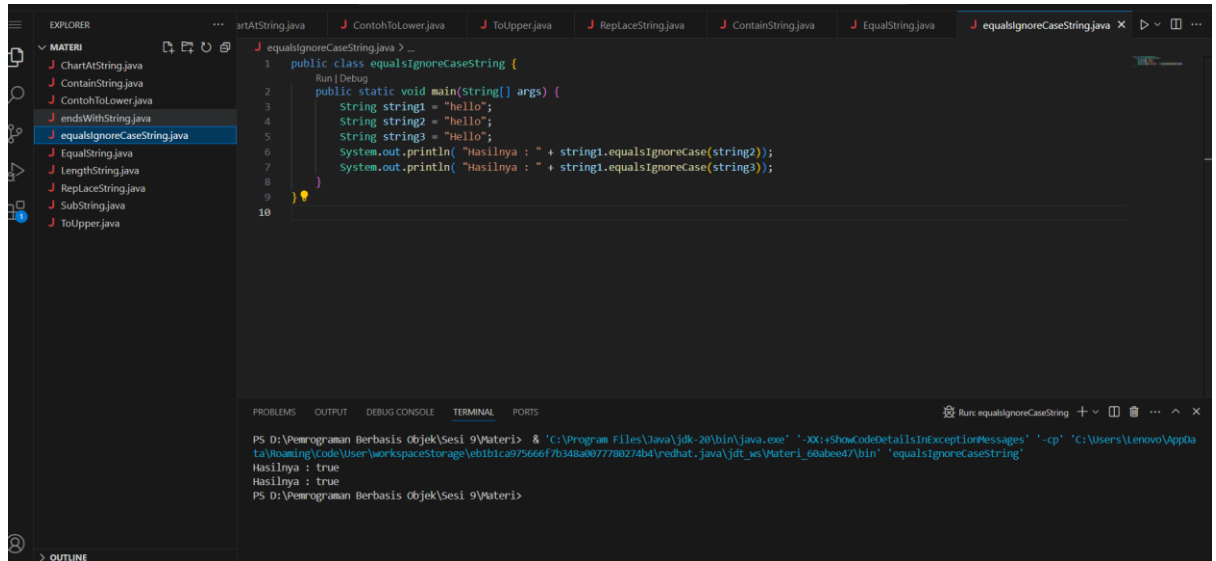
8. Java String equals()


```java
public class EqualString {
    public static void main(String[] args) {
        String string1 = "hello";
        String string2 = "hello";
        String string3 = "Hello";
        System.out.println( "Hasilnya : " + string1.equals(string2));
        System.out.println( "Hasilnya : " + string1.equals(string3));
    }
}

//Output:
//Hasilnya : true
//Hasilnya : false
```

Terminal output:
```
PS D:\Pemrograman Berbasis Objek\Sesi 9\Materi>  & 'C:\Program Files\Java\jdk-20\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\workspaceStorage\eb1b1ca975666f7b348a0077780274b4\redhat.java\jdt_ws\Materi_60abee47\bin' 'EqualString'
Hasilnya : true
Hasilnya : false
PS D:\Pemrograman Berbasis Objek\Sesi 9\Materi>
```
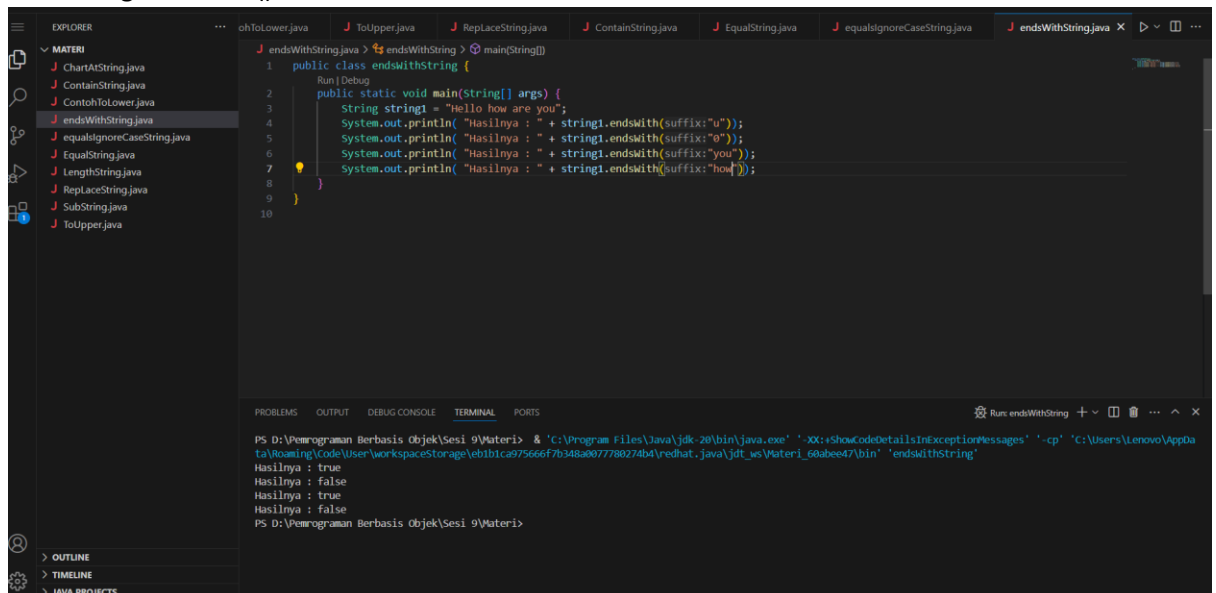
9. Java String equalsIgnoreCase()

10. Java String endsWith()