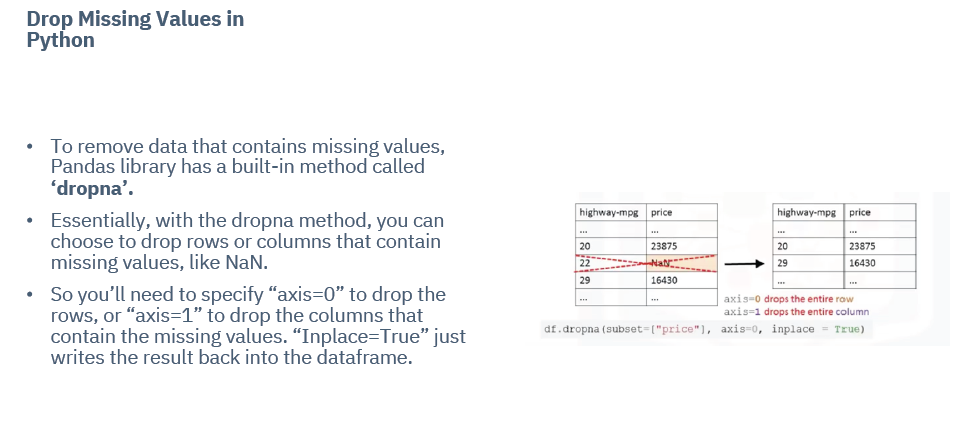
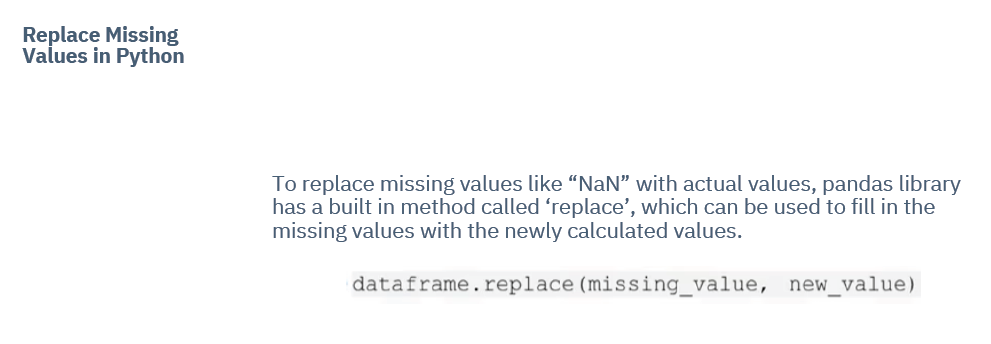
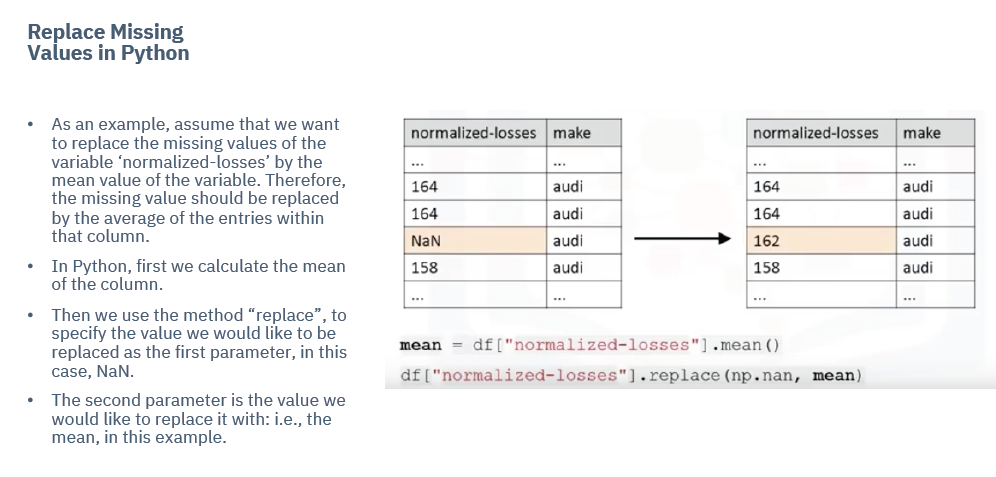
**Data Preprocessing**

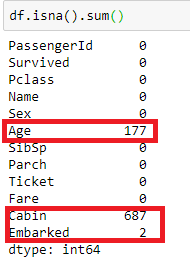
1. **Missing Value**

****

****

****

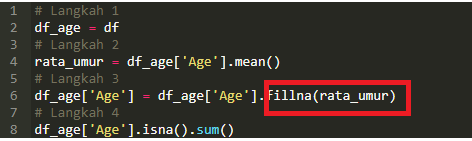
**1.1 Deteksi Missing Value**

****

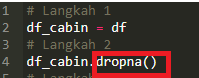
Dengan bantuan fungsi isna() dan sum() kita tahu bahwa dalam dataset semua kolom tidak ada nilai yang kosong kecuali kolom Age dengan 177 missing value, Kolom Cabin 687 dan kolom Embarked 2.

**1.2 Penanganan Missing Value**

**Mengganti missing value dengan nilai rata2**



**Menghapus missing value**



**2. Outlier**

**A number with black numbers

Description automatically generated with medium confidence**

**A white screen with black text

Description automatically generated**

****

**Hasil :**

**100**

**Data (df)**

**A screenshot of a white sheet with numbers

Description automatically generated**

**A computer screen shot of a code

Description automatically generated**

**Output :**

**A screenshot of a computer

Description automatically generated**

**2.1. Penanganan Outlier 🡪 Mengganti outlier dengan nilai rata2**

**2.2. Penanganan Outlier 🡪 Menghapus outlier**

**LATIHAN**

Coba semua source code dibawah ini

**MISSING VALUE**

**DATA**

**OUTLIER**

**Program:**

**A screenshot of a computer

Description automatically generated**

**1. Missing Value**

**A screenshot of a computer

Description automatically generated**

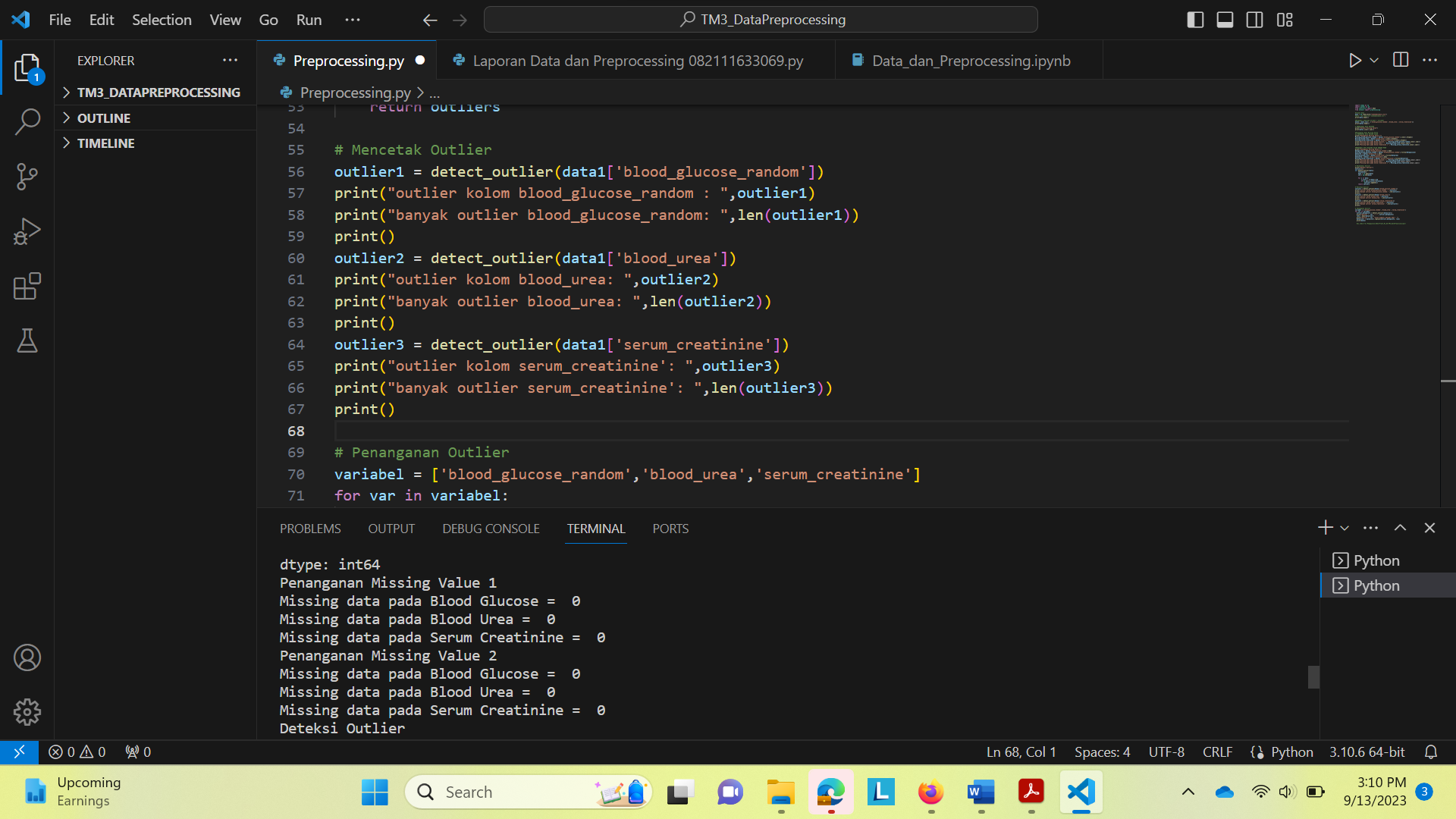
**A screenshot of a computer

Description automatically generated**

**2. Outlier**

**A screenshot of a computer

Description automatically generated**

****

**A screenshot of a computer

Description automatically generated**

**TUGAS :**

**OUTLIER**

**MISSING VALUE**

**DATA**

1. Tugas dikerjakan secara mandiri

2. Carilah data bebas

3. Lakukan PreProcessing dengan memeriksa missing value dan outlier.

4. Lakukan penanganan missing value dan outlier (dihapus dan direplace dengan Mean)

5. Tugas terdiri dari Laporan, file phyton, dan data aslinya dan dikumpulkan dengan nama “Tugas PreProcessing\_NIM. Zip

6. Tugas dikumpulkan paling lambat hari Kamis / 14 Sepetember 2023 pukul 20.00 Wib