**KUIS 1**

**PENGOLAHAN CITRA**

**MK401**



**Disusun oleh :**

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**PROGRAM STUDI TEKNIK MEKATRONIKA**

**JURUSAN TEKNIK ELEKTRO**

**POLITEKNIK NEGERI BATAM**

**2020**

Buatlah suatu aplikasi pengolahan citra yang dapat melakukan operasi pengolahan citra sbb :

1. Konversi RGB ke Gray

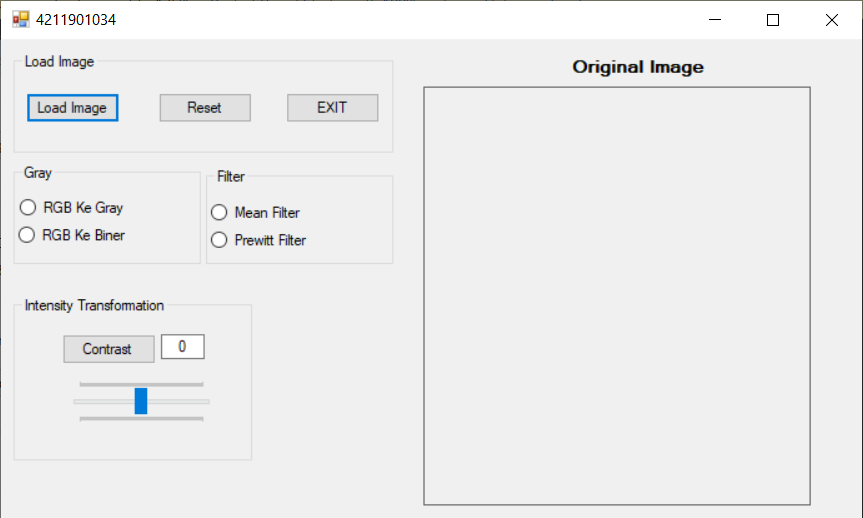
2. Konversi RGB ke Biner

3. RGB intensity transformation (Contrast)

4. Image Smoothing using Mean Filter

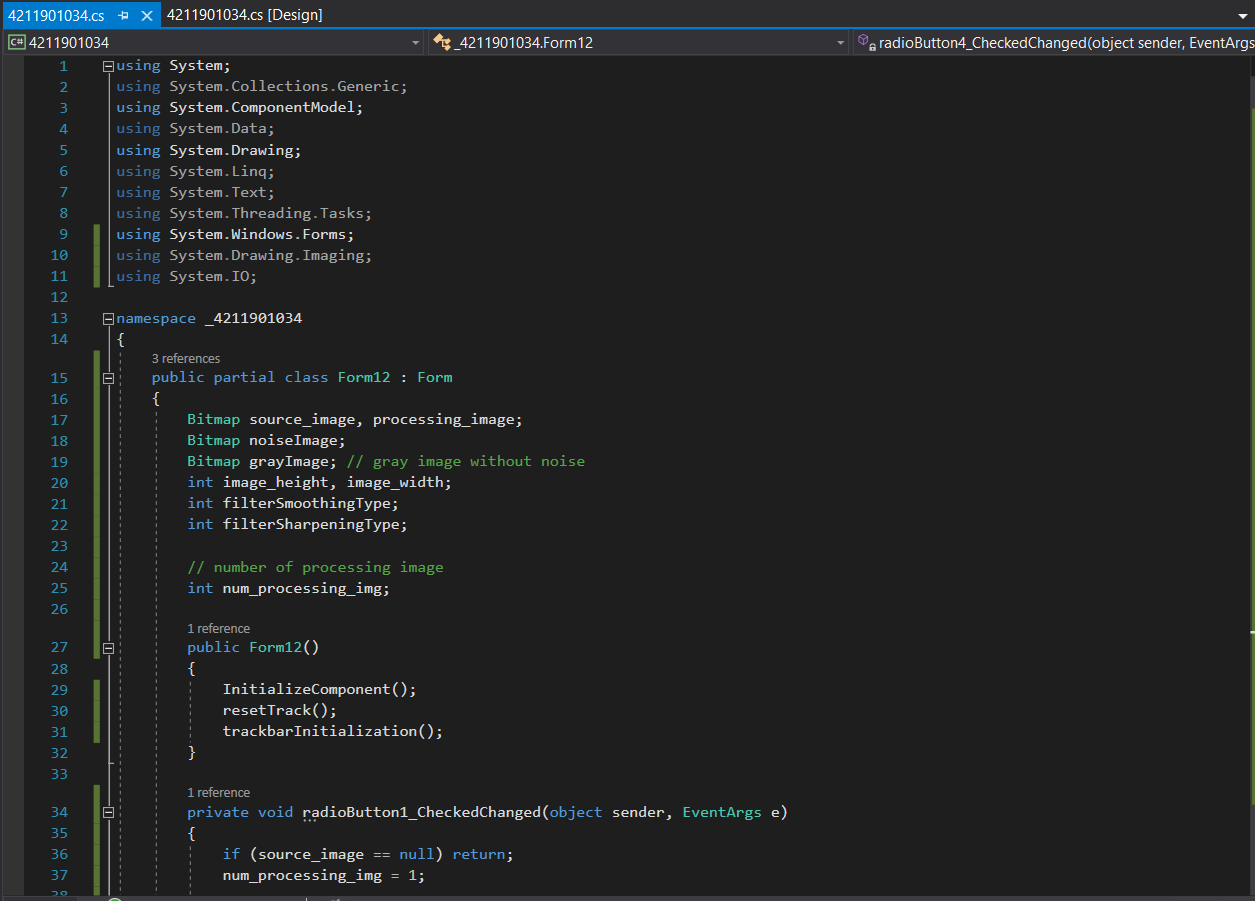
5. Image Sharpening (edge detection) using Prewitt

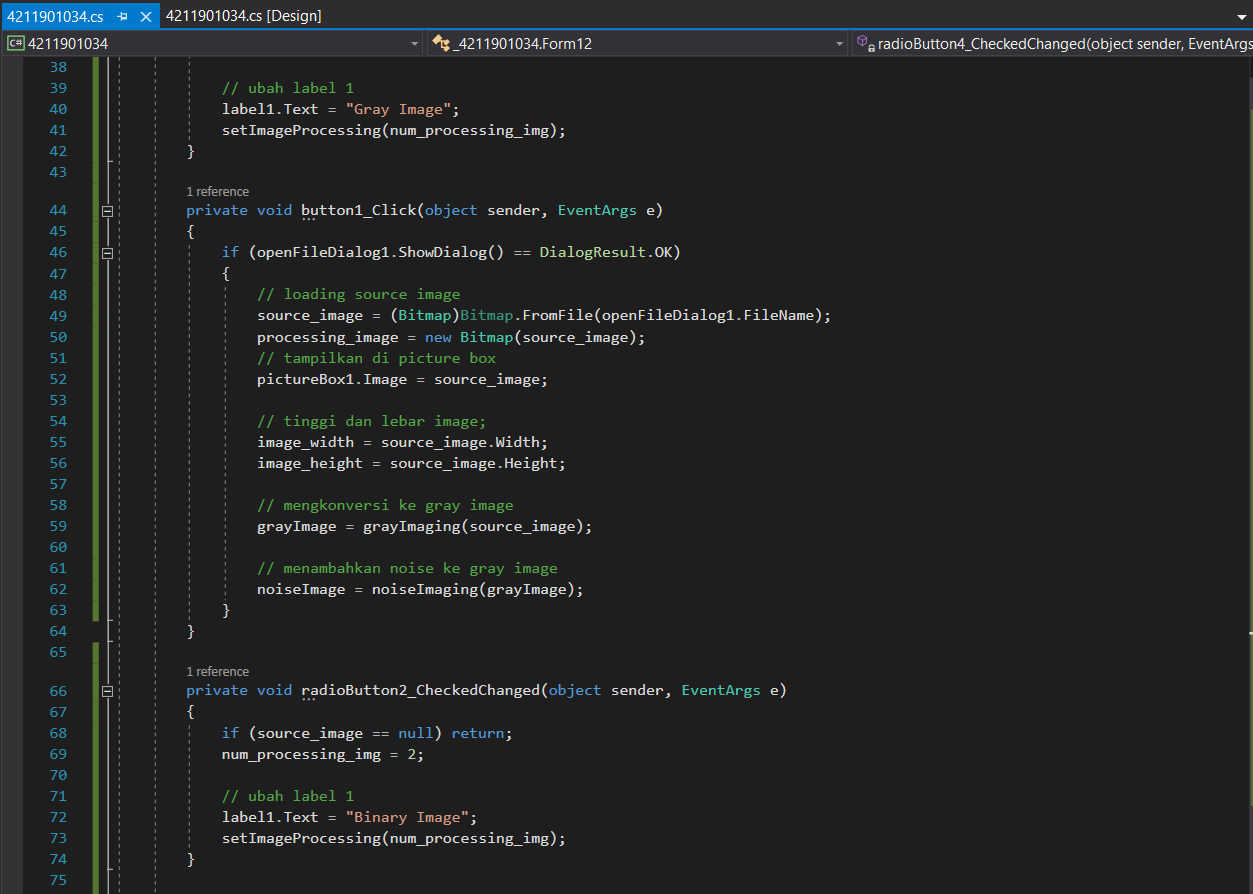
**Screen shoot GUI**

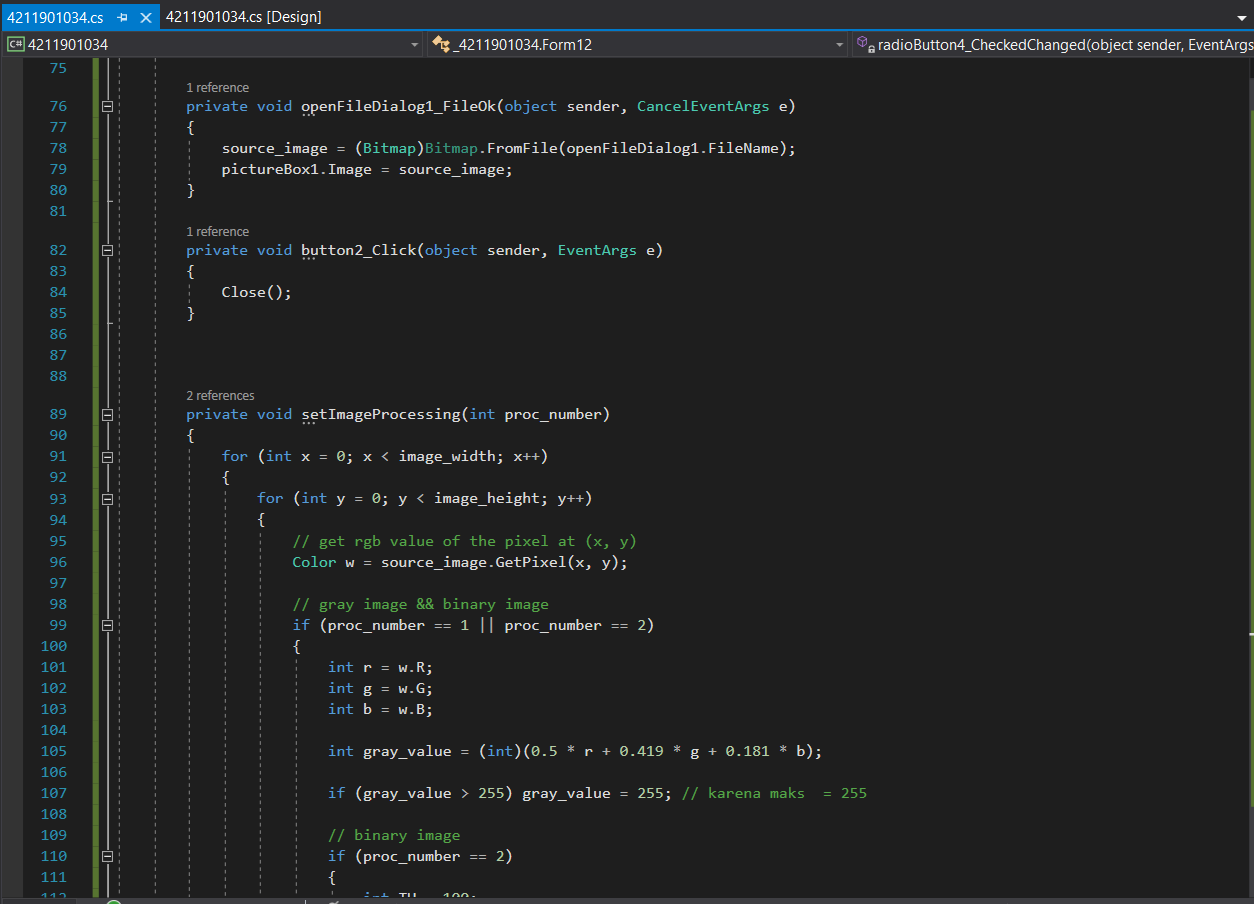
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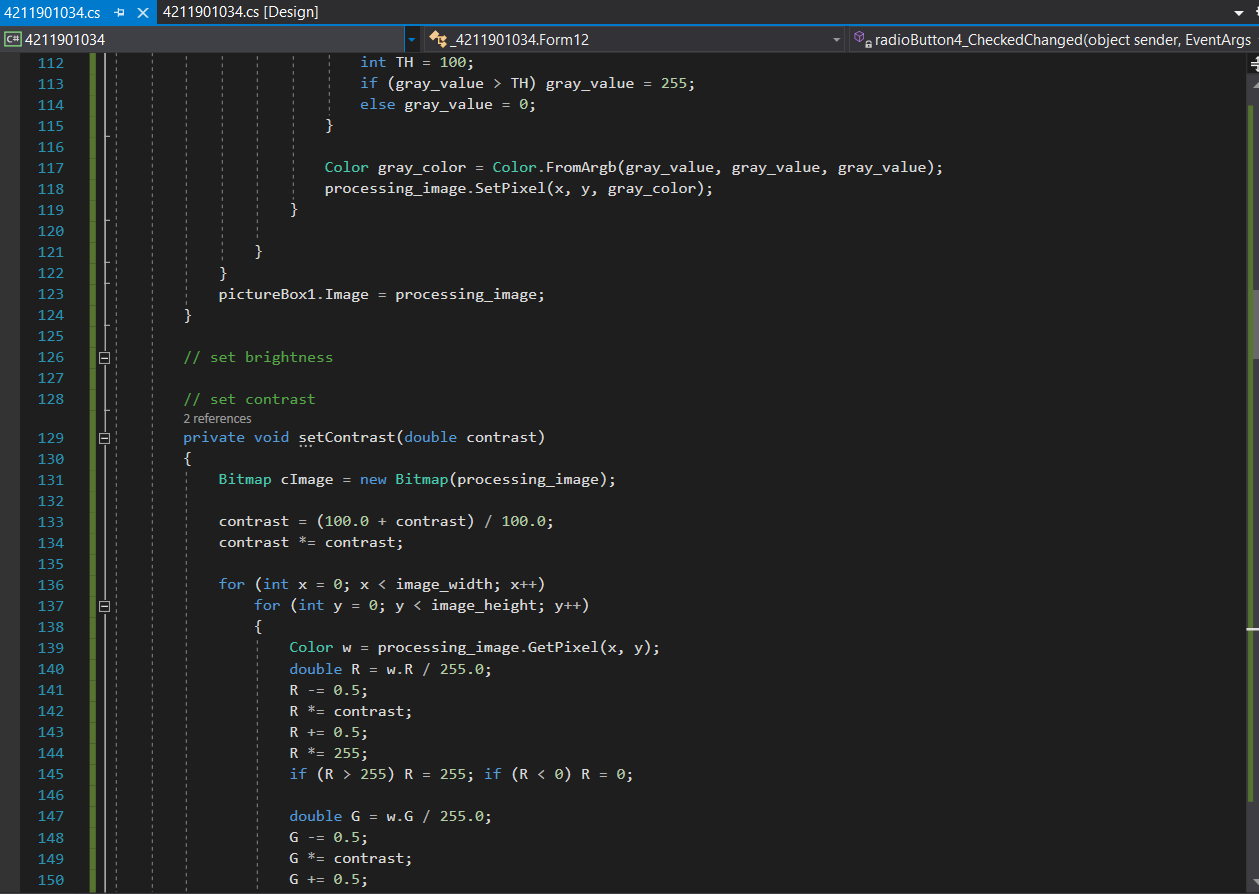
Tampilan awal program

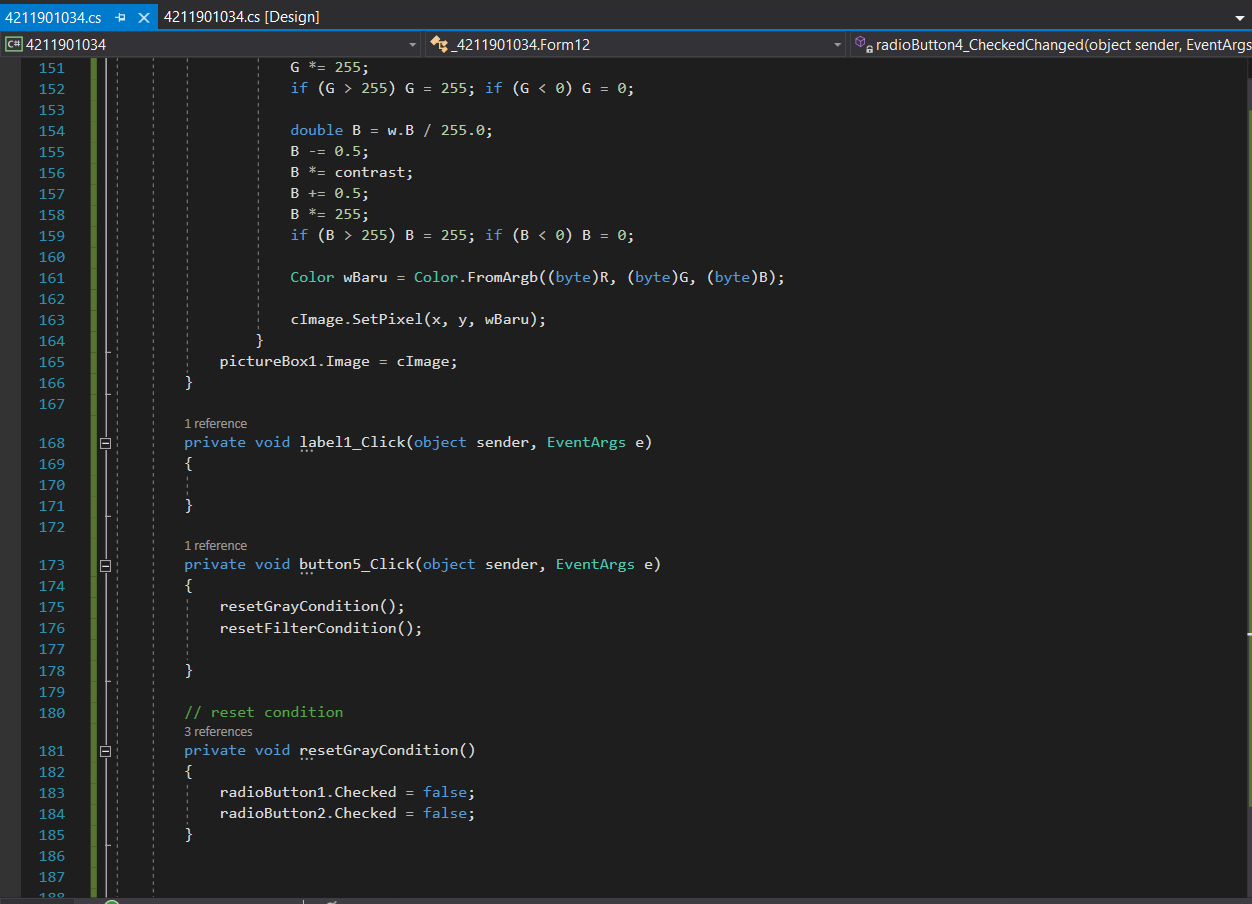
**Screenshoot SourceCode**

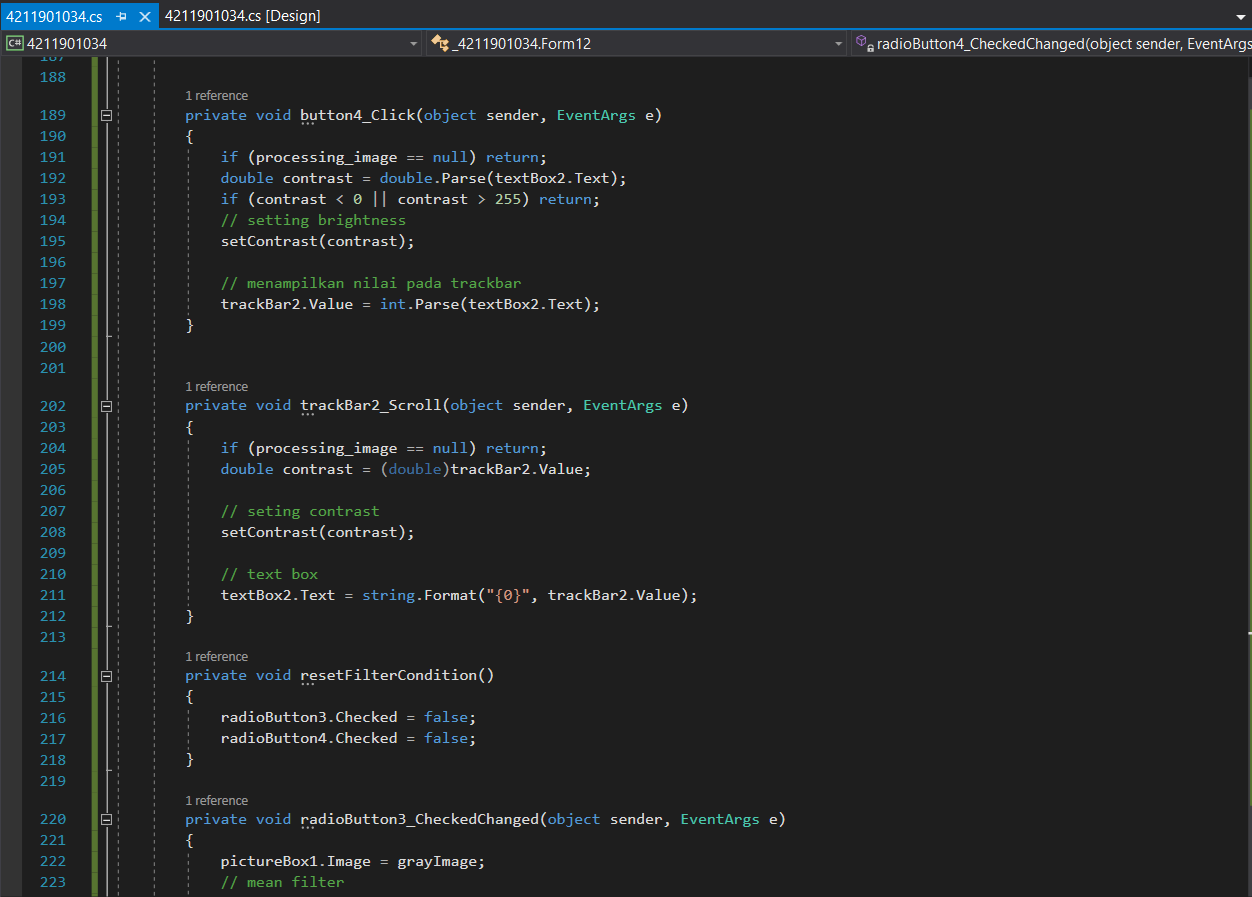
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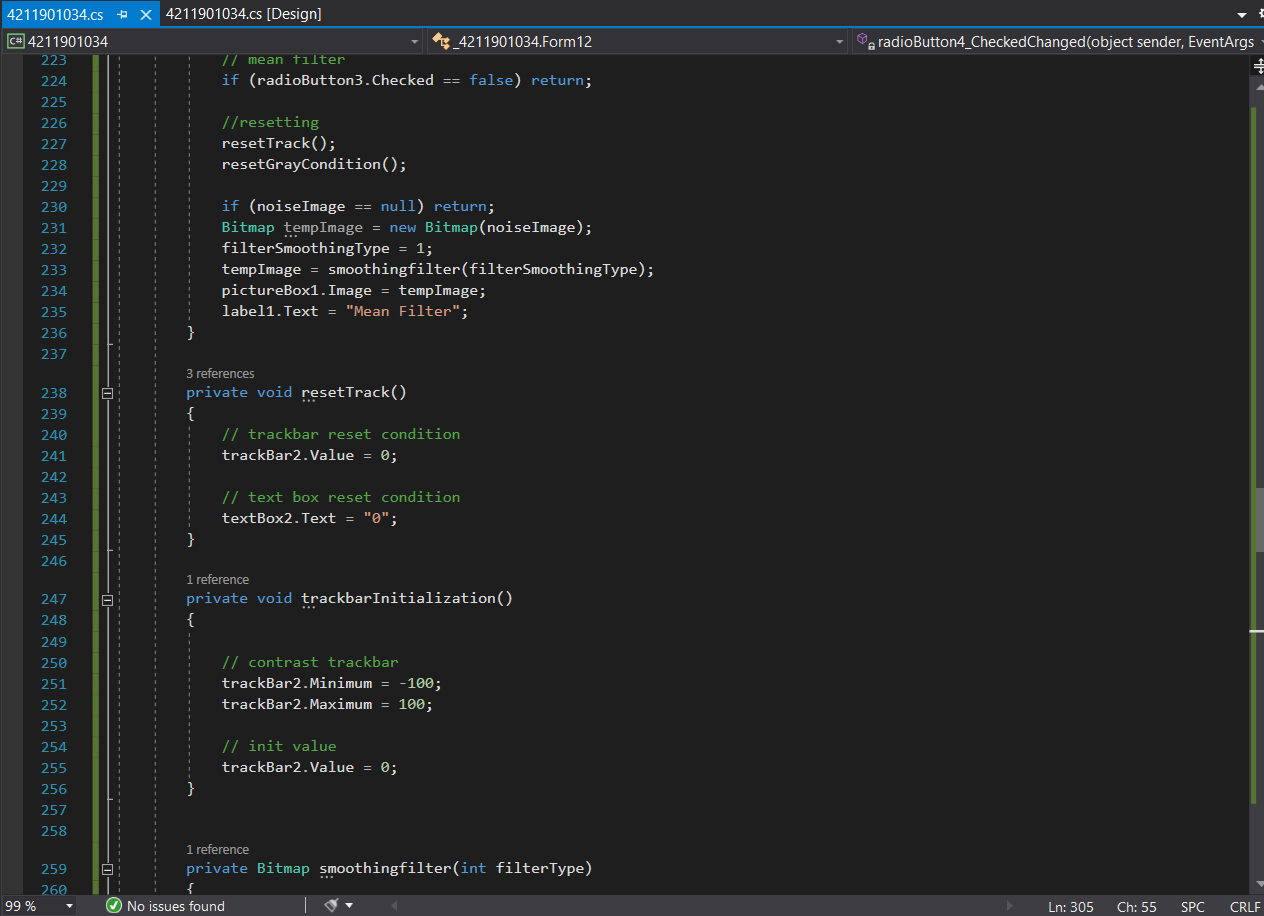
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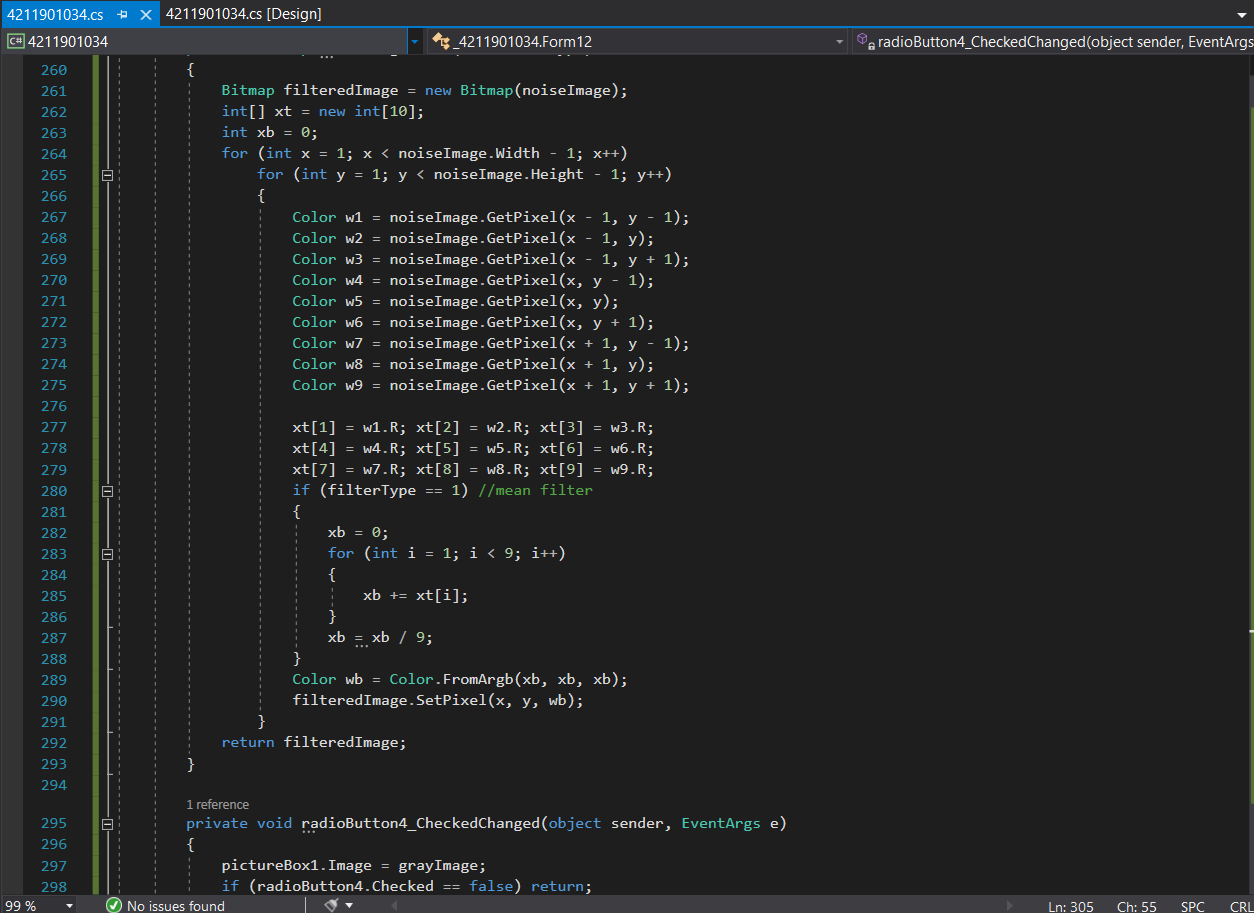
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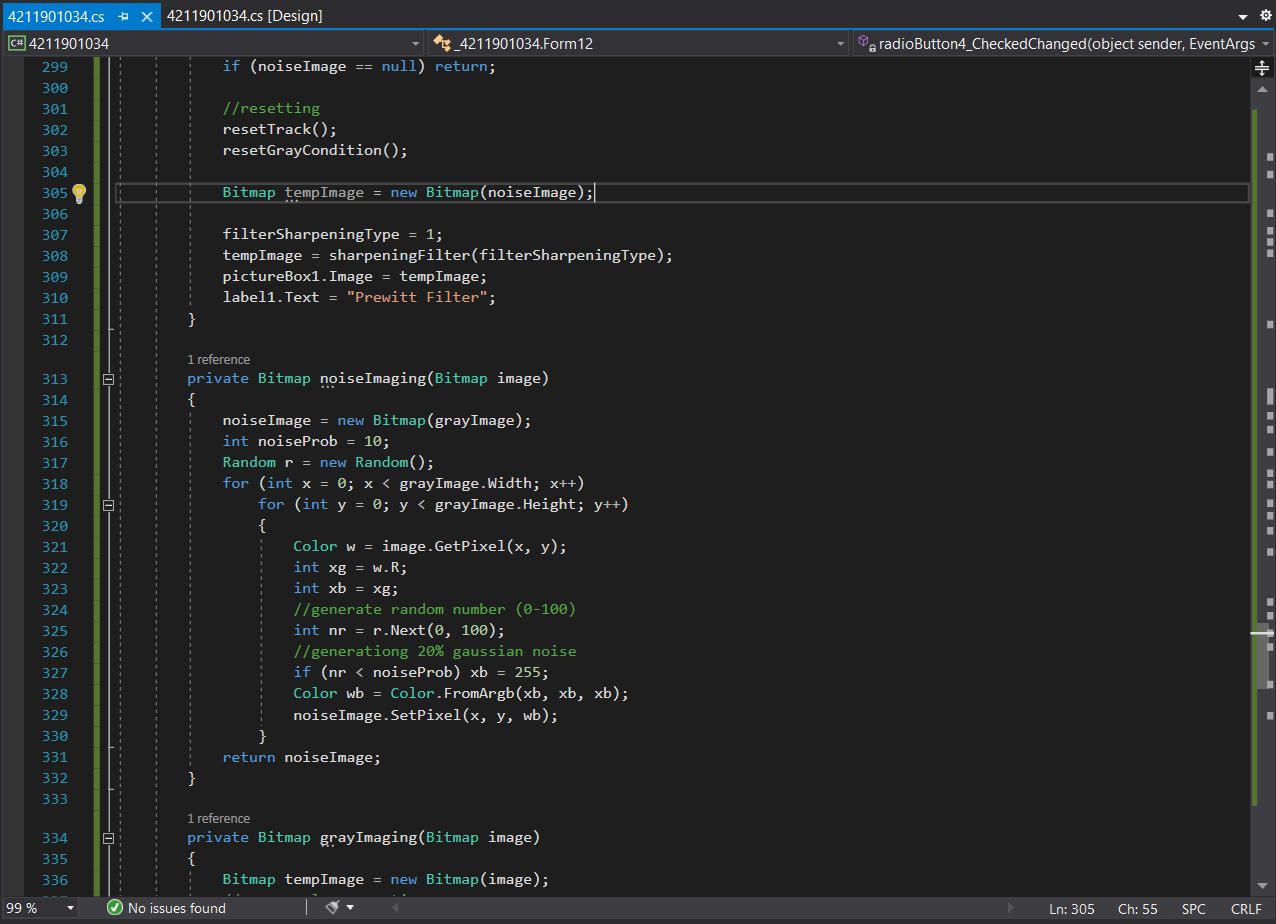
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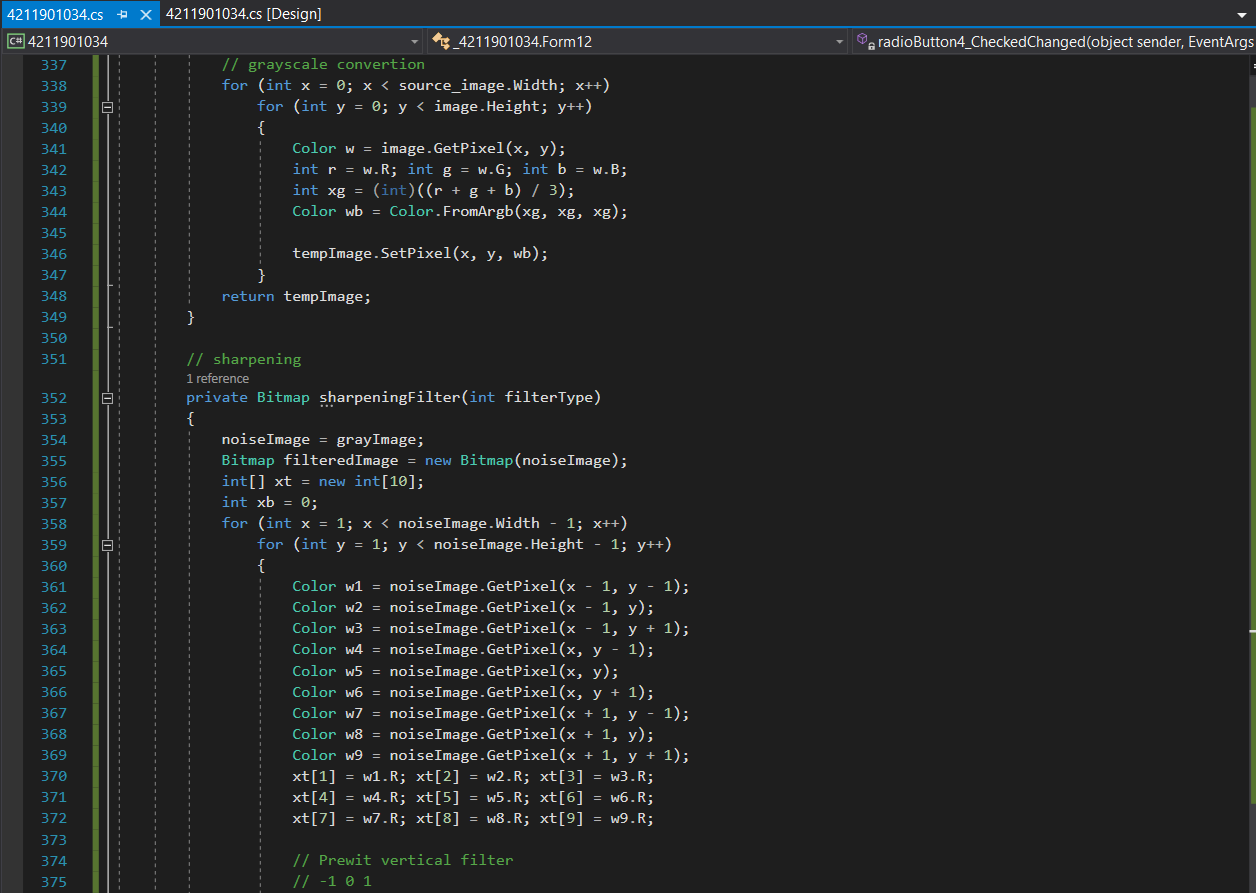
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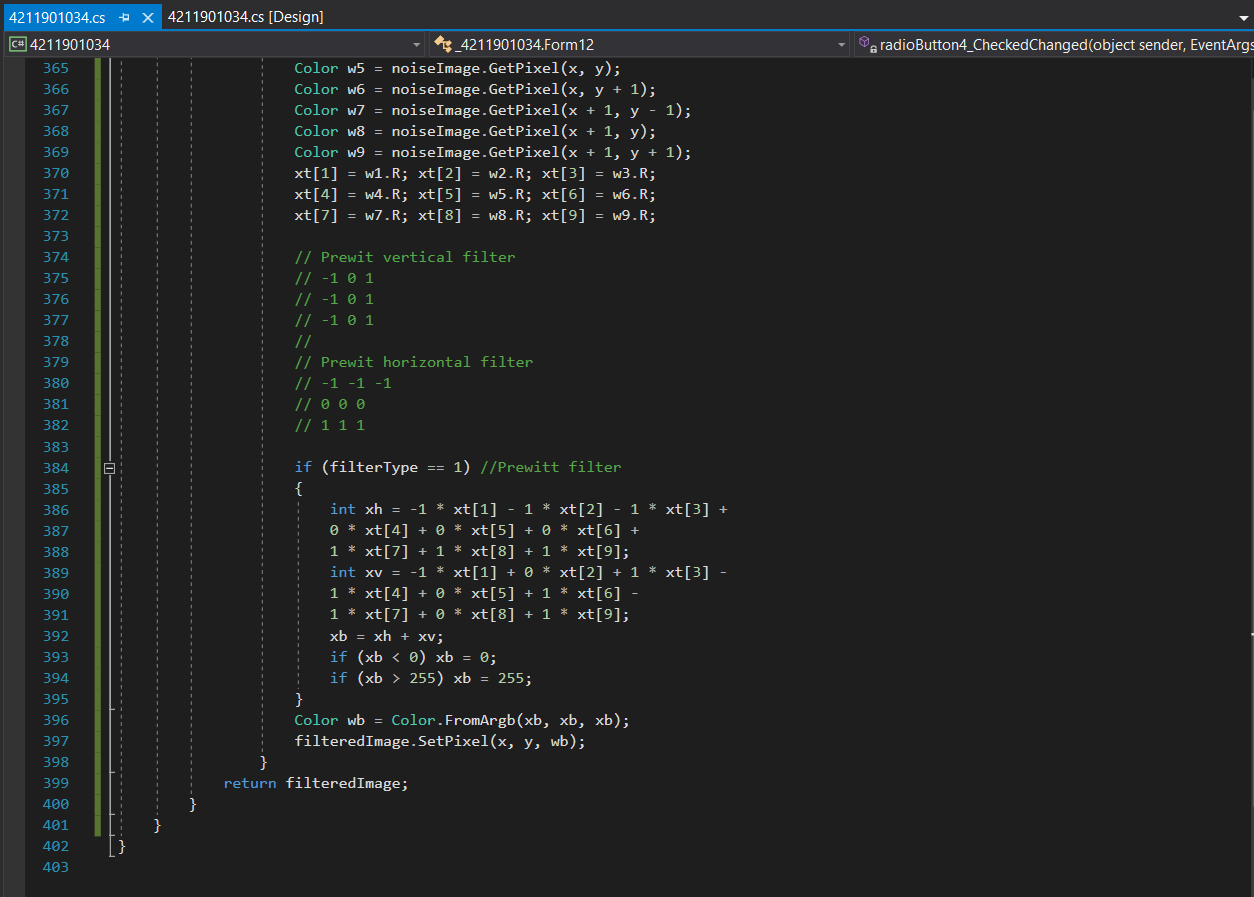
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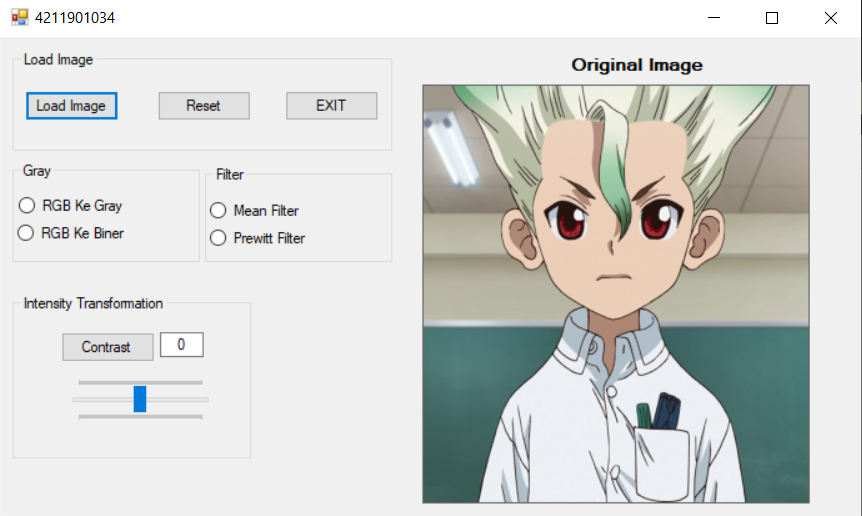
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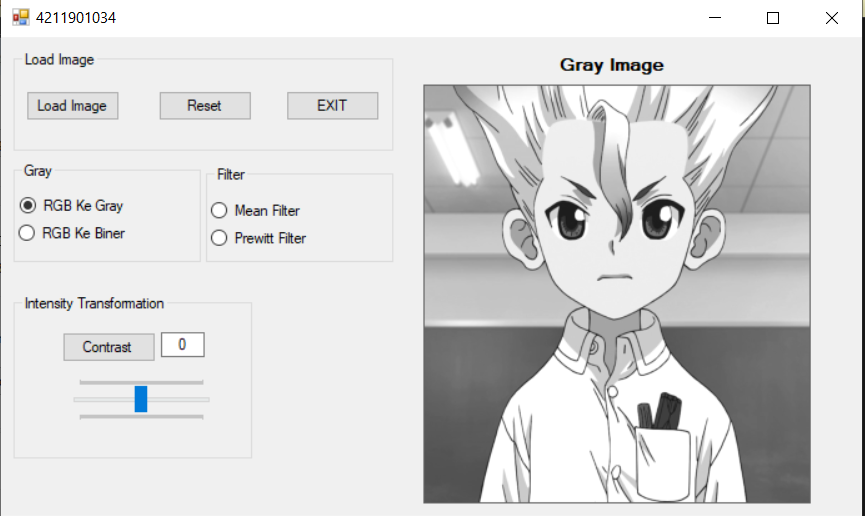
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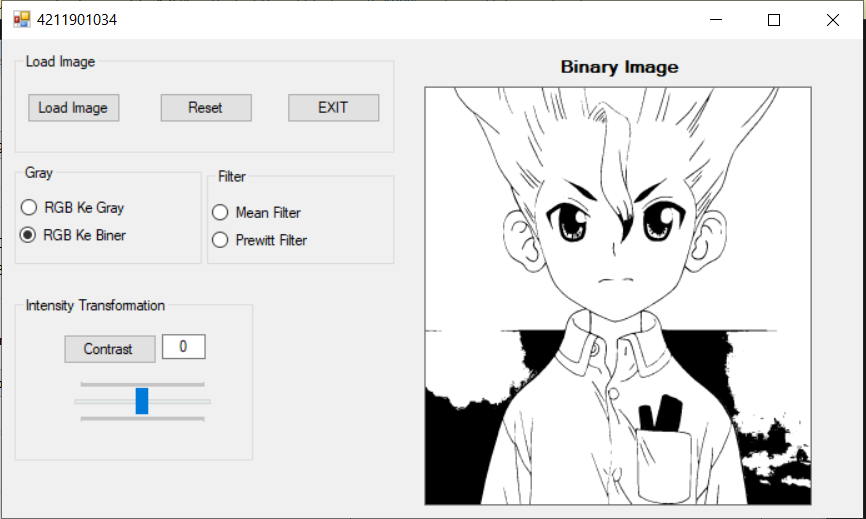
**Screenshoot of Image Processing of Each Operation**

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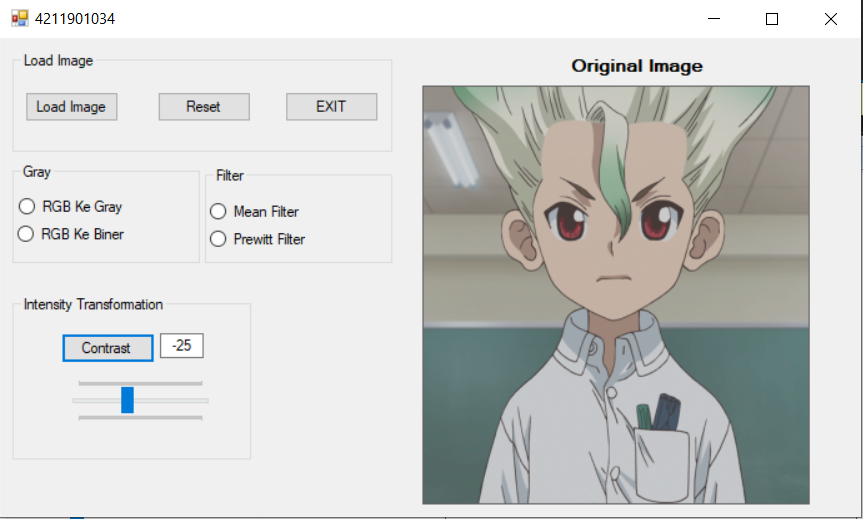
Load Original Image



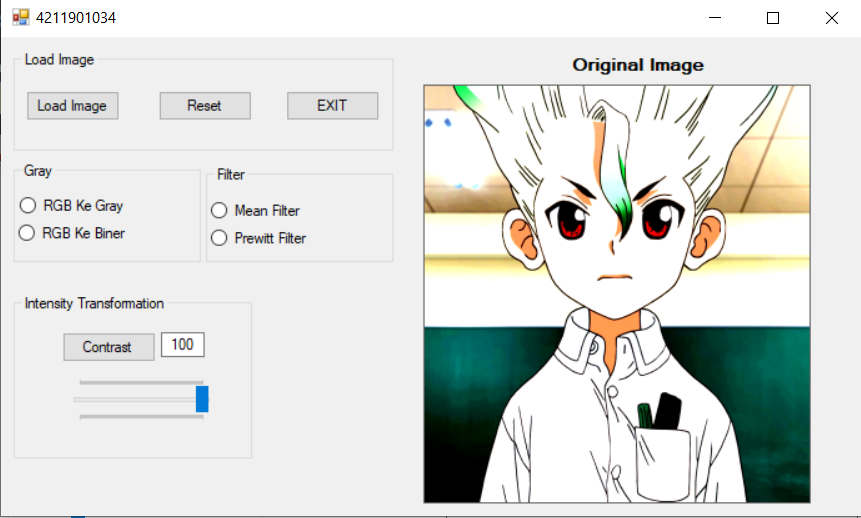
Konversi RGB ke Gray



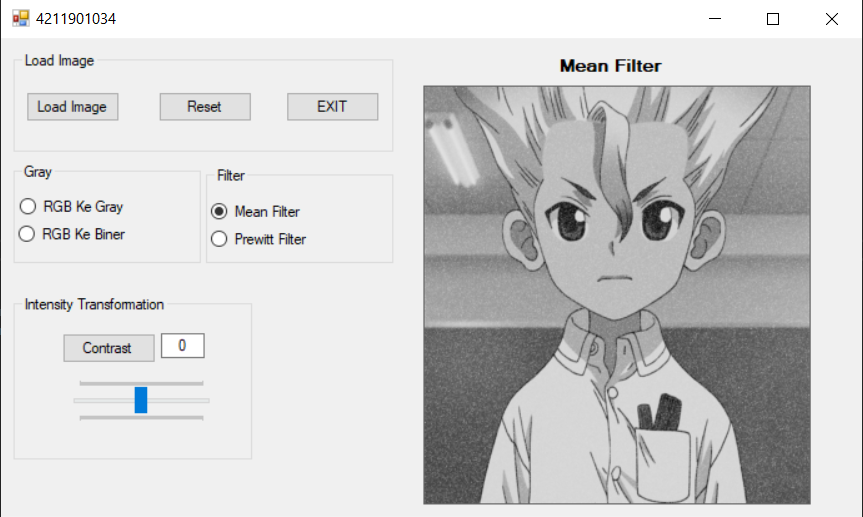
Konversi RGB ke Biner



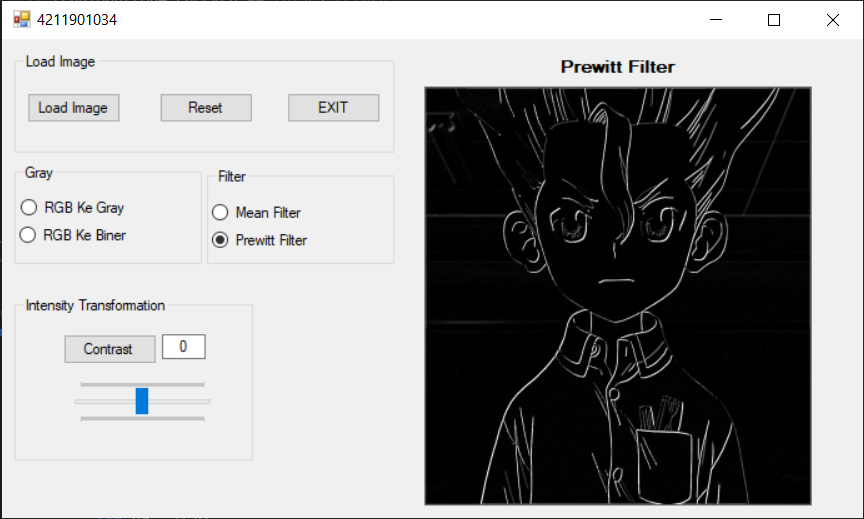
Setting Contrast dengan button



Setting Contrast max value dengan trackbar



Mean Filter



Prewitt Filter