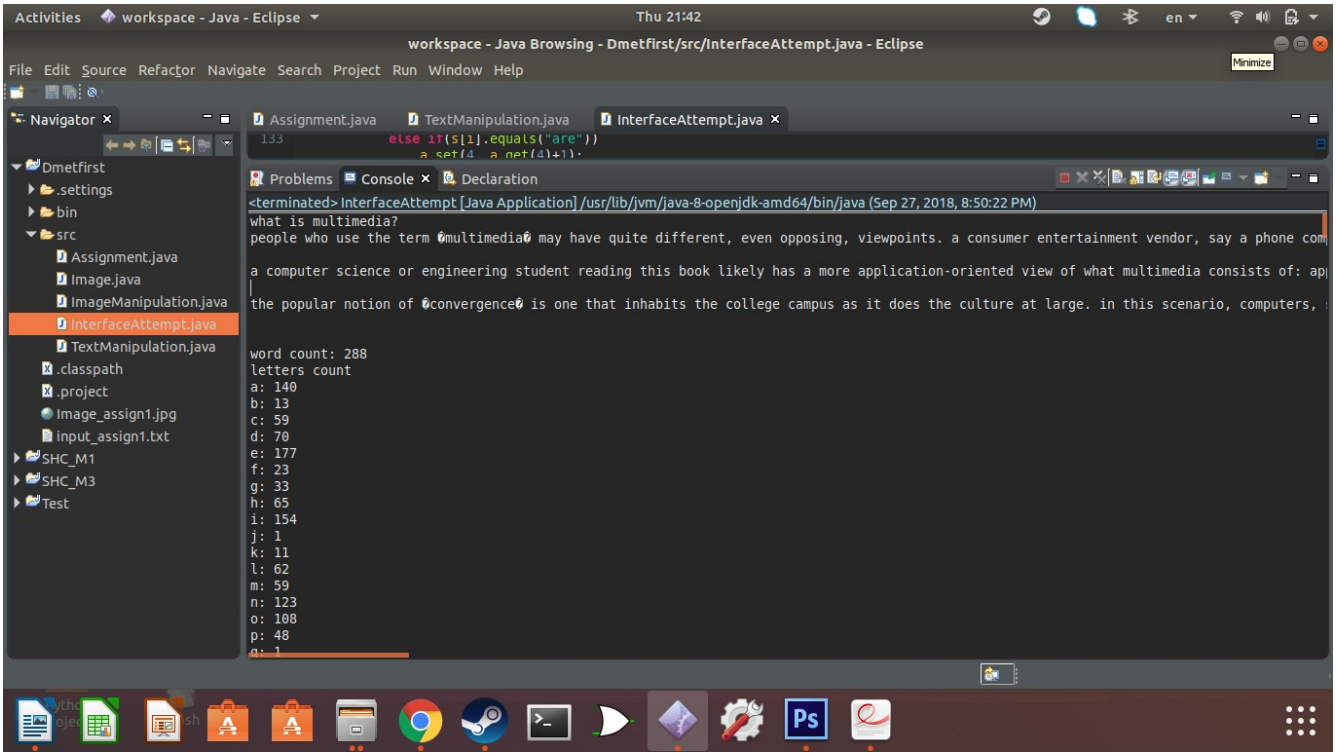
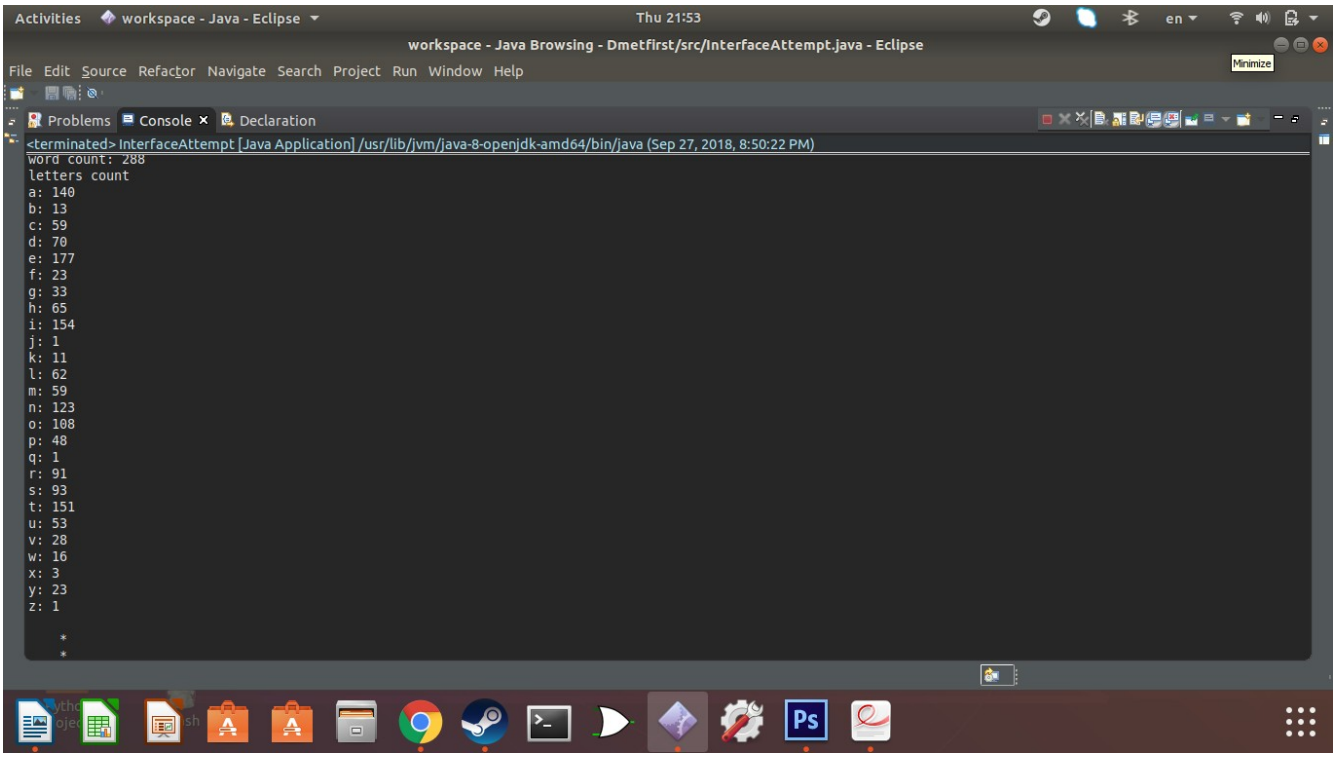
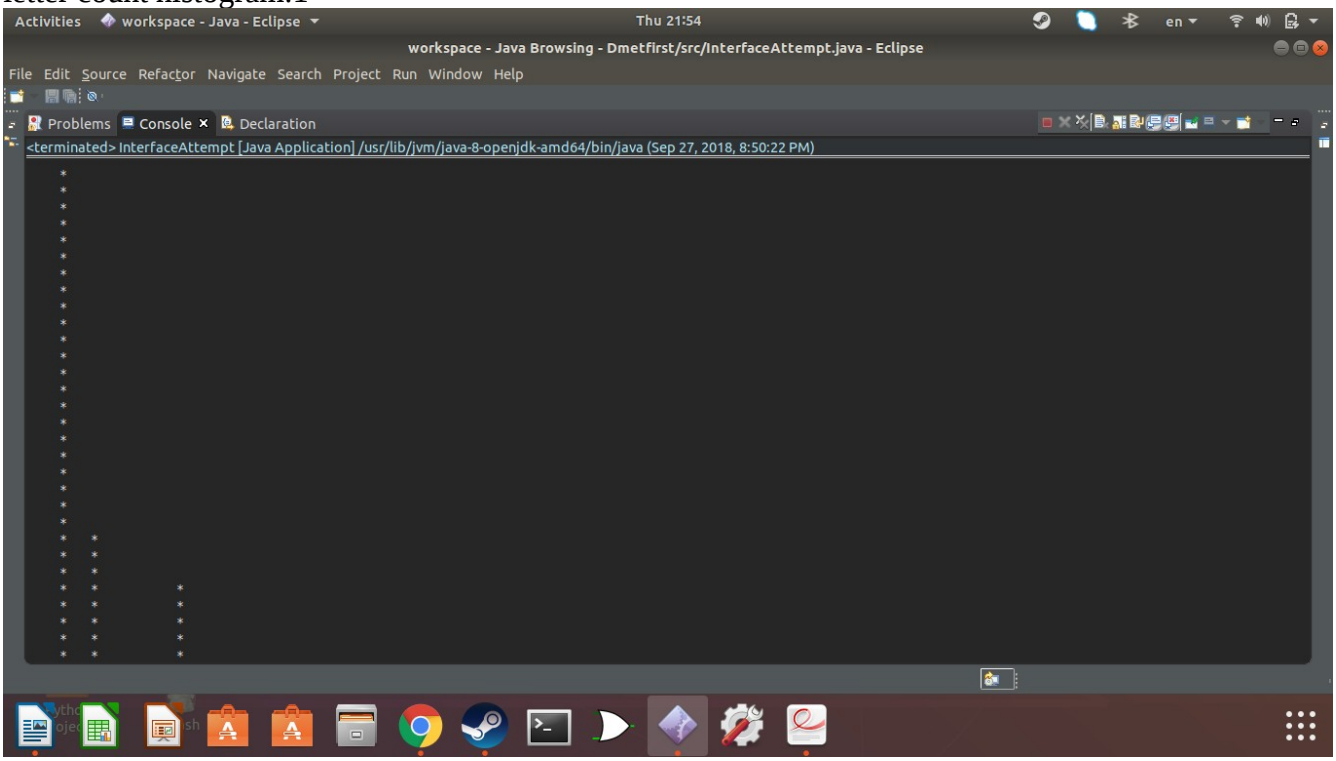
Wordcount screenshot



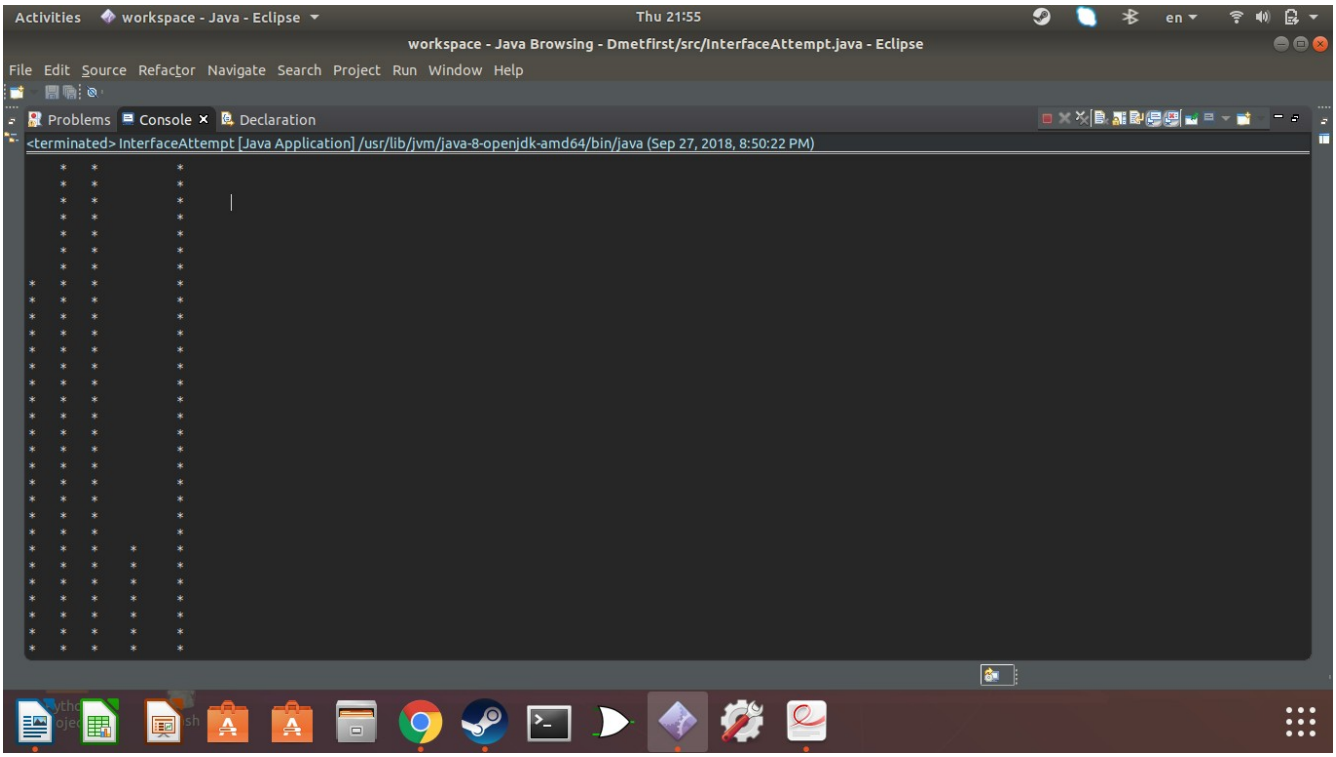
Letter count



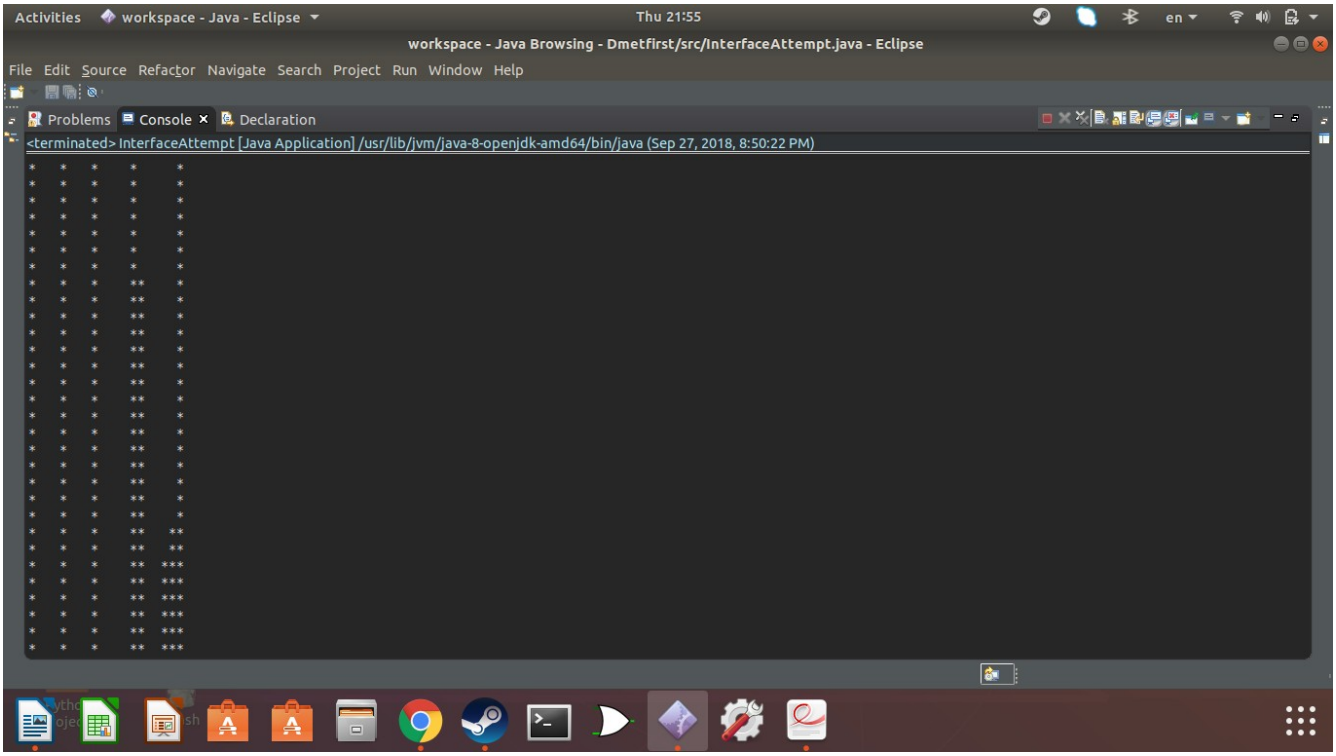
letter count histogram:1



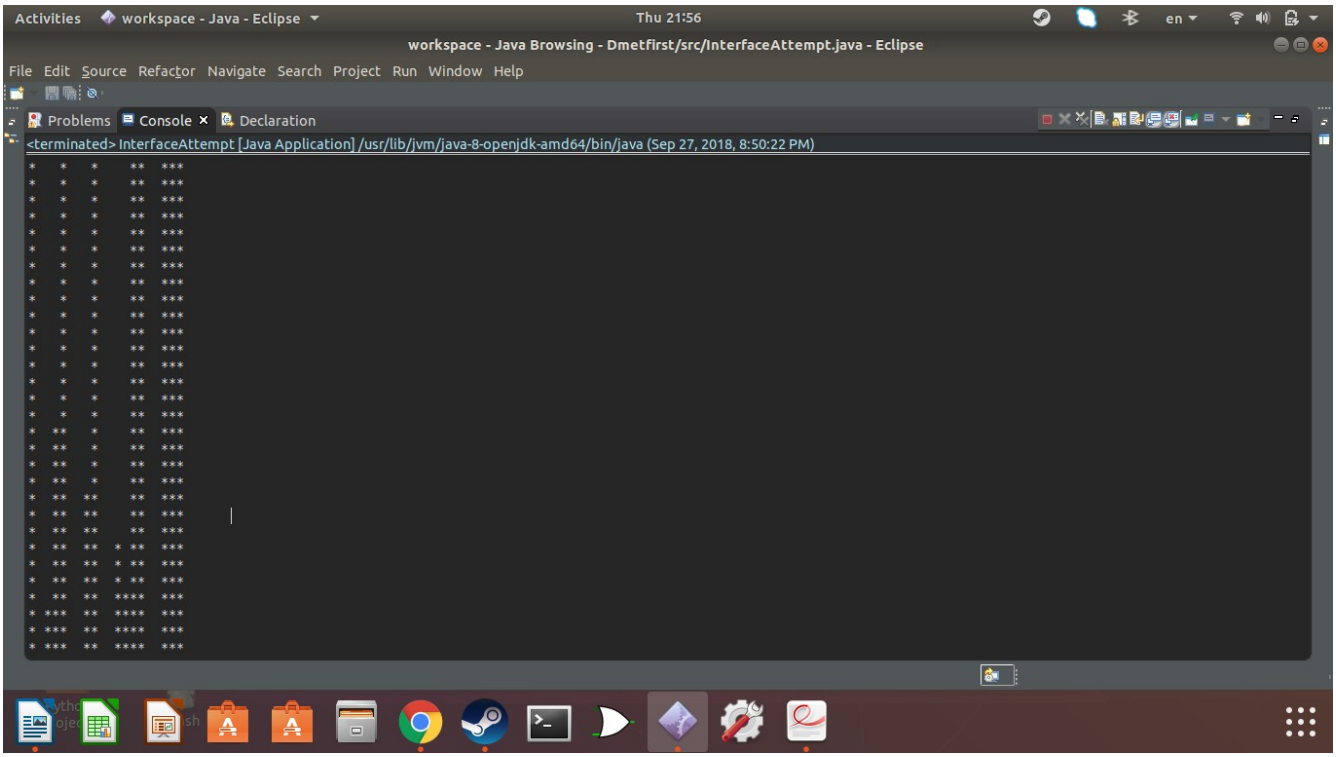
2



3


Activities
workspace - Java - Eclipse
Thu 21:55
en
workspace - Java Browsing - Dmetfirst/src/InterfaceAttempt.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Problems
Console
Declaration
<terminated> InterfaceAttempt [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Sep 27, 2018, 8:50:22 PM)

4


Activities
workspace - Java - Eclipse
Thu 21:56
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Declaration
<terminated> InterfaceAttempt [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Sep 27, 2018, 8:50:22 PM)

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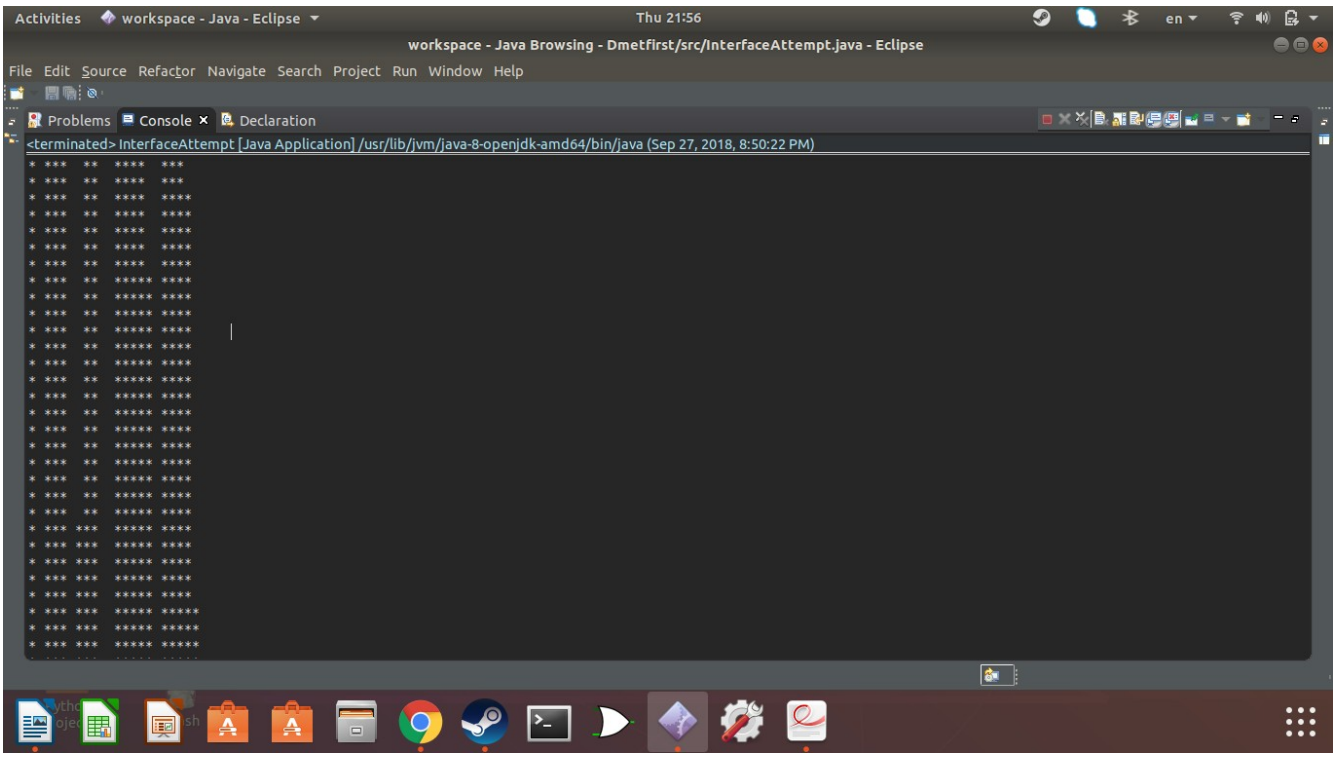
Activities
workspace - Java - Eclipse
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Problems
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Declaration
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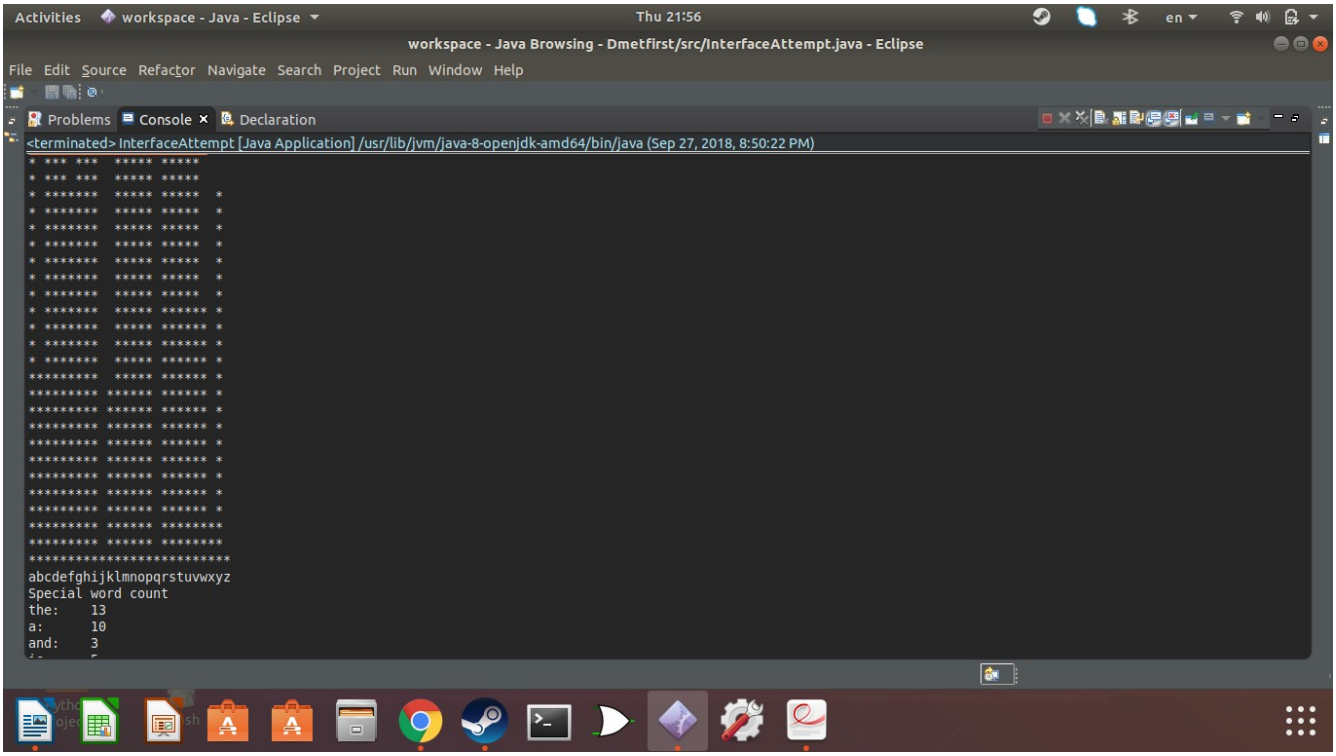
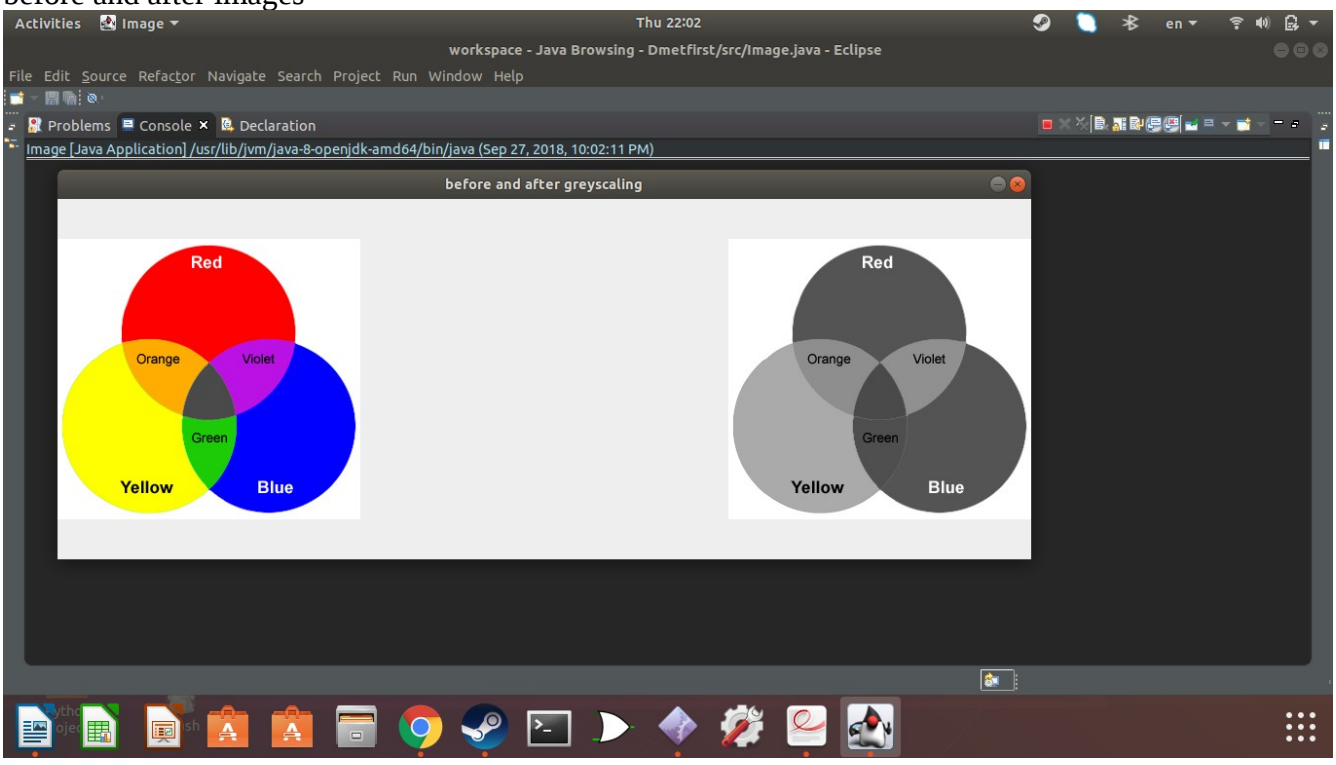


before and after images



Explanation of the codes:
codes are documented using comments
points to make clear in interfaceAttempt class

- this is the text manipulation class
- Histogram works vertically by calculating the maximum value to print an asterisk and keeps decrementing the value for each asterisk until it reaches 0 indicating that all asterisks have been drawn. This is an alternative to using 2D arrays
- reading arrays is done within the main method and not in an external method in order to avoid confusion as they weren't necessarily specified or mentioned in the interface or task

points to make clear about image class

- this class is for image manipulation
- window cannot be resized to avoid overlapping images

Results copy+pasted from console:
288words
1606letters
a: 140
b: 13
c: 59
d: 70
e: 177
f: 23
g: 33
h: 65
i: 154
j: 1
k: 11
l: 62
m: 59
n: 123
o: 108
p: 48
q: 1
r: 91
s: 93
t: 151
u: 53
v: 28
w: 16
x: 3
y: 23
z: 1

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abcdefghijklmnopqrstuvwxyz

the:	13
a:	10
and:	3
is:	5
are:	2
this:	5
others	248

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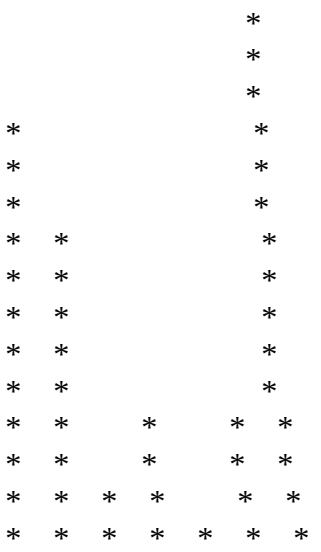
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