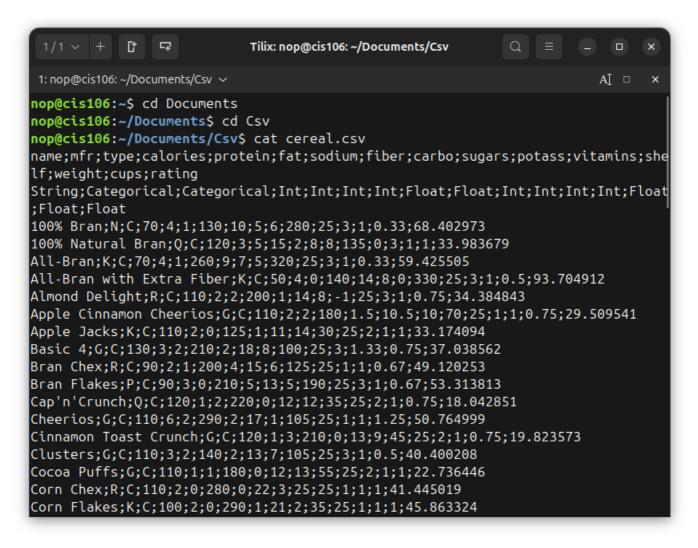
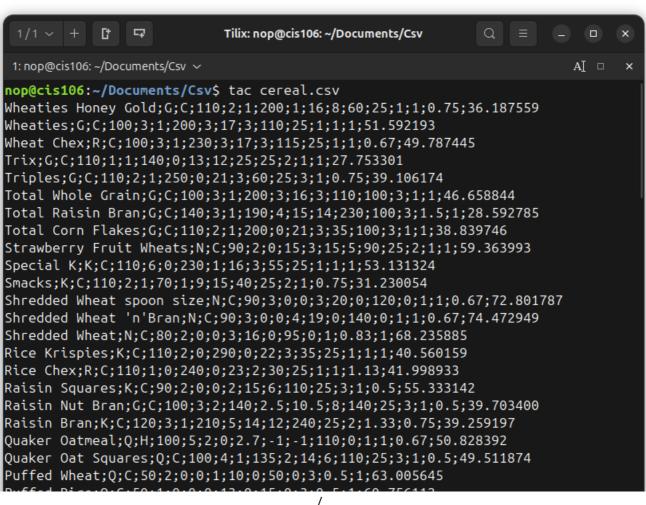
Lab 8

Question 1





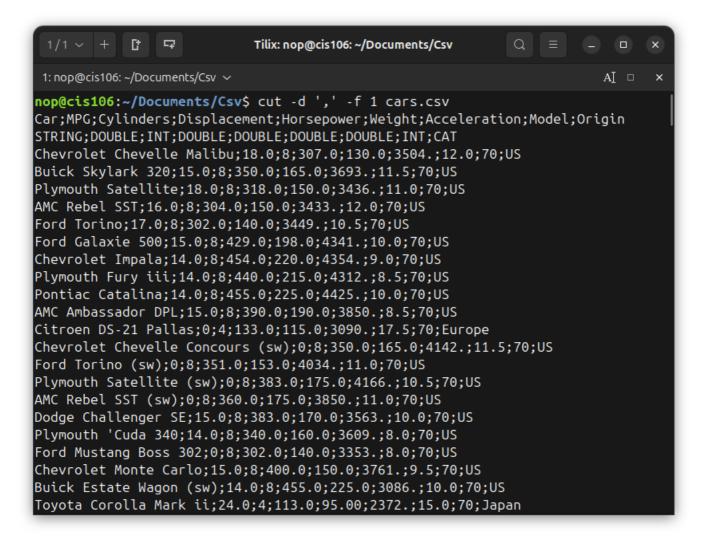
Puffed Rice;Q;C;50;1;0;0;0;13;0;15;0;3;0.5;1;60./56112

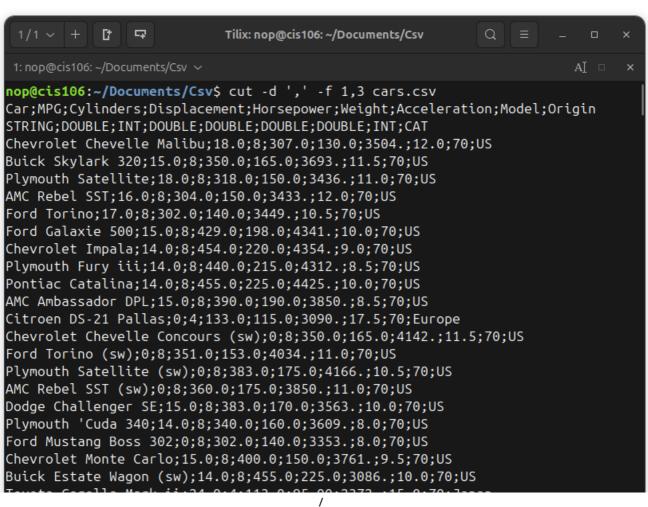
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                             Tilix: nop@cis106: ~/Documents/Csv
                                                               Q
                                                                                  ×
 1: nop@cis106: ~/Documents/Csv ~
                                                                           A] □
nop@cis106: \sim Documents/Csv cat -n cereal.csv | sed 's/$/\$/; s/[[:cntrl:]]/\\&/
g'
     1\ name;mfr;type;calories;protein;fat;sodium;fiber;carbo;sugars;potass;vita
$ins;shelf;weight;cups;rating\
     2\ String;Categorical;Categorical;Int;Int;Int;Float;Float;Int;Int;Int;I
$t;Float;Float;Float\
     3\ 100% Bran;N;C;70;4;1;130;10;5;6;280;25;3;1;0.33;68.402973\
$
$
$
     4\ 100% Natural Bran;Q;C;120;3;5;15;2;8;8;135;0;3;1;1;33.983679\
     5\ All-Bran;K;C;70;4;1;260;9;7;5;320;25;3;1;0.33;59.425505\
     6\ All-Bran with Extra Fiber; K; C; 50; 4; 0; 140; 14; 8; 0; 330; 25; 3; 1; 0.5; 93.704912
$
     7\ Almond Delight;R;C;110;2;2;200;1;14;8;-1;25;3;1;0.75;34.384843\
     8\ Apple Cinnamon Cheerios;G;C;110;2;2;180;1.5;10.5;10;70;25;1;1;0.75;29.50
$541\
$ $ $ $ $ $ $ $
     9\ Apple Jacks;K;C;110;2;0;125;1;11;14;30;25;2;1;1;33.174094\
    10\ Basic 4;G;C;130;3;2;210;2;18;8;100;25;3;1.33;0.75;37.038562\
    11\ Bran Chex;R;C;90;2;1;200;4;15;6;125;25;1;1;0.67;49.120253\
    12\ Bran Flakes;P;C;90;3;0;210;5;13;5;190;25;3;1;0.67;53.313813\
    13\ Cap'n'Crunch;Q;C;120;1;2;220;0;12;12;35;25;2;1;0.75;18.042851\
    14\ Cheerios;G;C;110;6;2;290;2;17;1;105;25;1;1;1.25;50.764999\
    15\ Cinnamon Toast Crunch; G; C; 120; 1; 3; 210; 0; 13; 9; 45; 25; 2; 1; 0.75; 19.823573\
    16\ Clusters;G;C;110;3;2;140;2;13;7;105;25;3;1;0.5;40.400208\
    17\ Cocoa Puffs;G;C;110;1;1;180;0;12;13;55;25;2;1;1;22.736446\
    18\ Corn Chex;R;C;110;2;0;280;0;22;3;25;25;1;1;1;41.445019\
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4 and 5 below

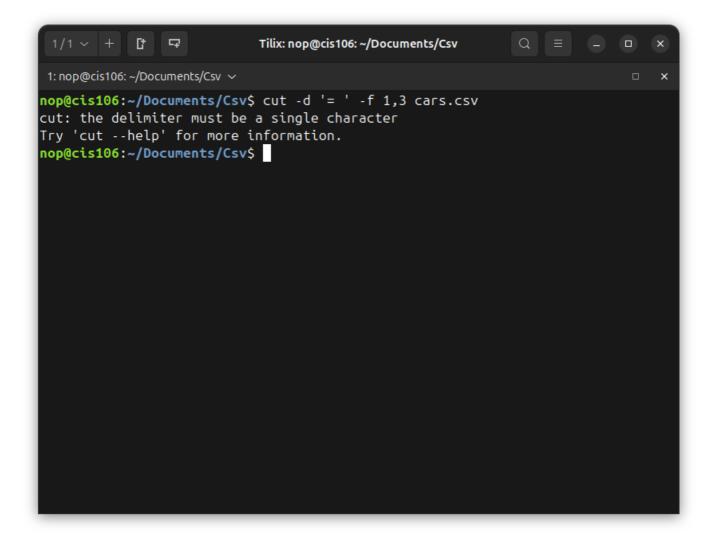
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1:nop@cis106:~/Documents/Csv > 0 x
nop@cis106:~/Documents/Csv$ head -n 2 cereal.csv
name;mfr;type;calories;protein;fat;sodium;fiber;carbo;sugars;potass;vitamins;shelf;weight;cups;rating
String;Categorical;Categorical;Int;Int;Int;Int;Float;Float;Int;Int;Int;Int;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Float;Floa
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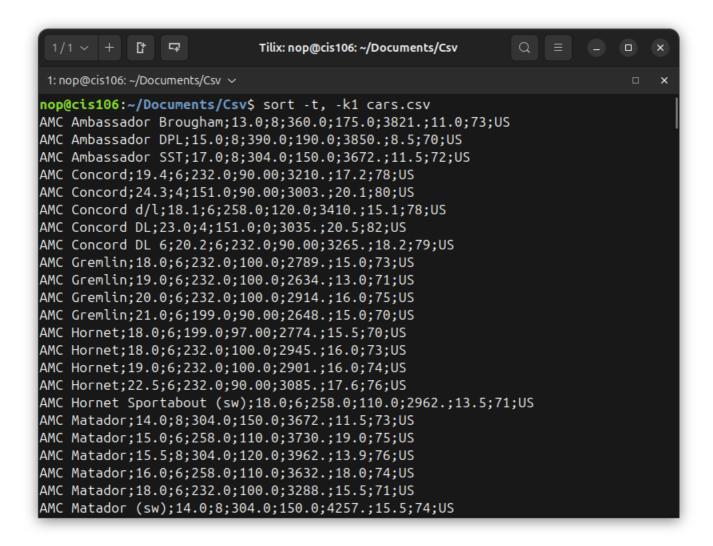
Question 2

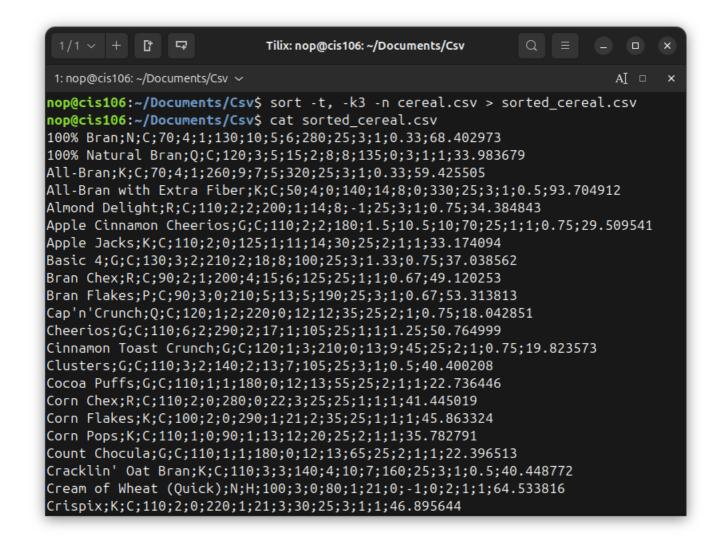




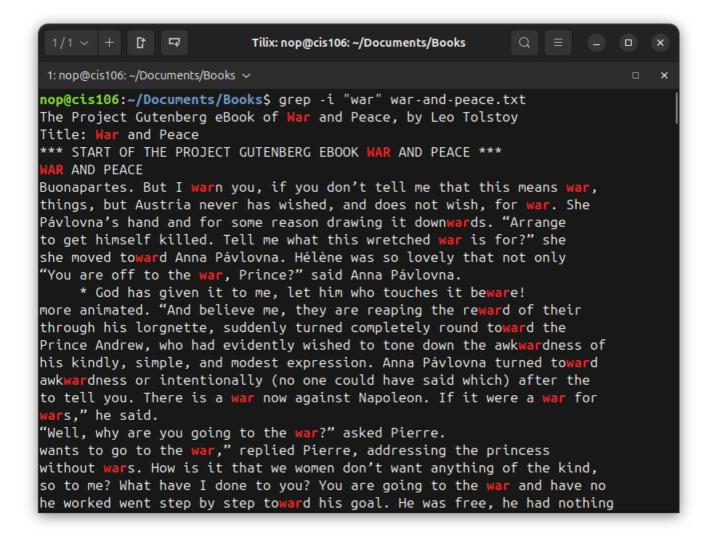
royota corotta Mark tt;24.0;4;113.0;95.00;23/2.;15.0;/0;Japan

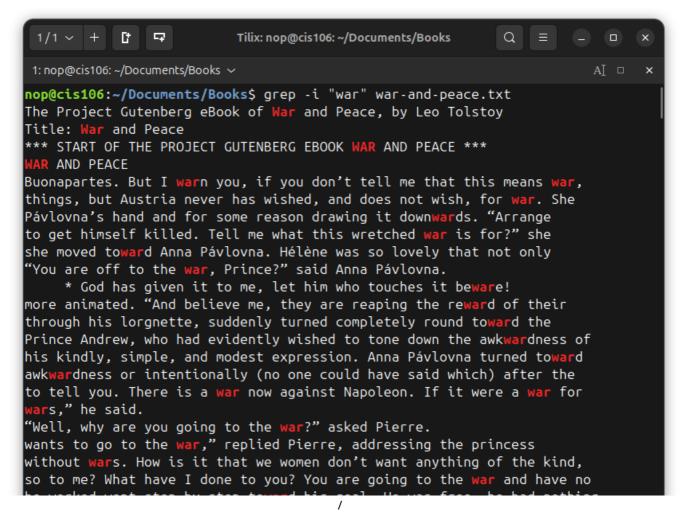




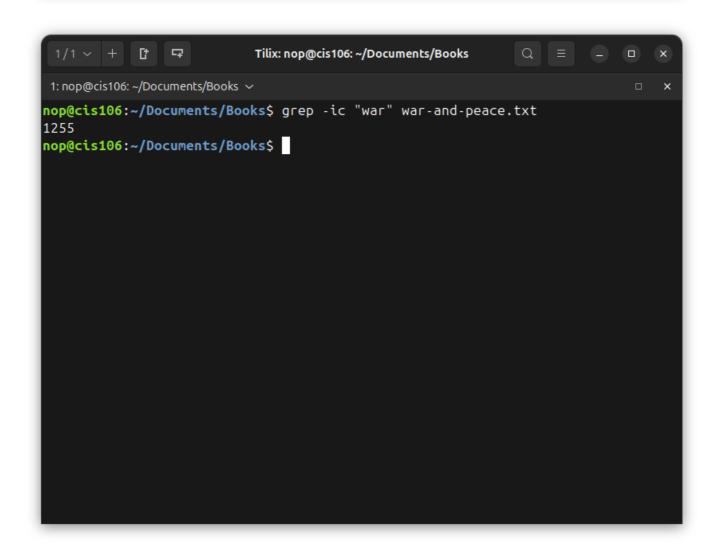


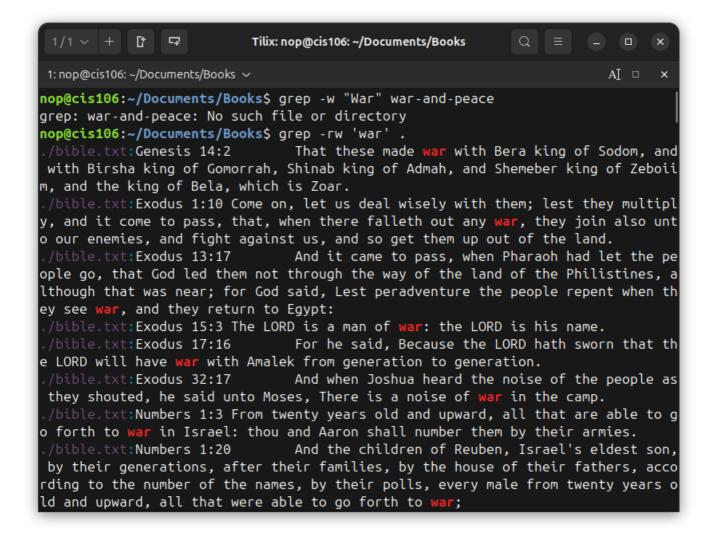
Question 3

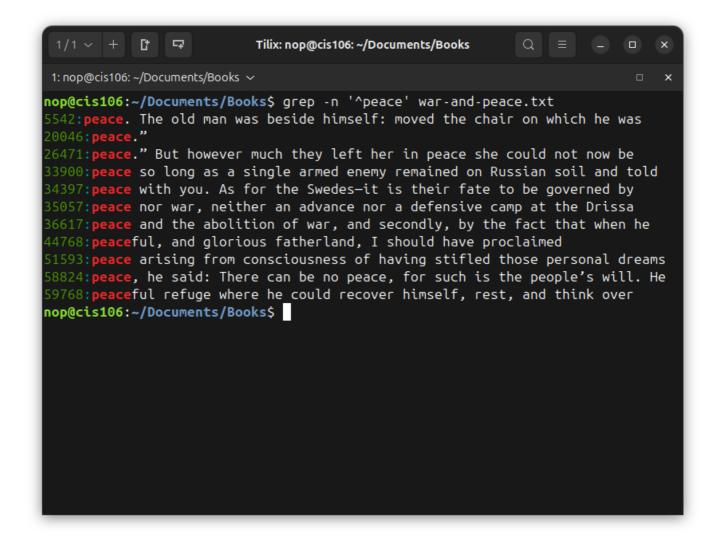


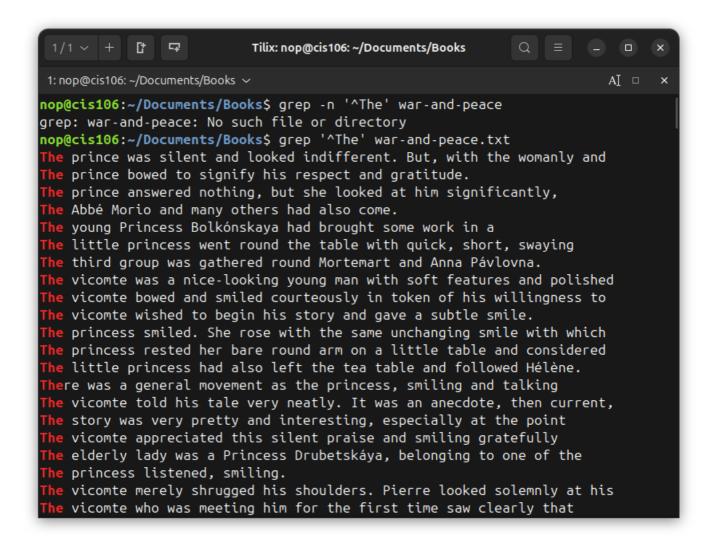


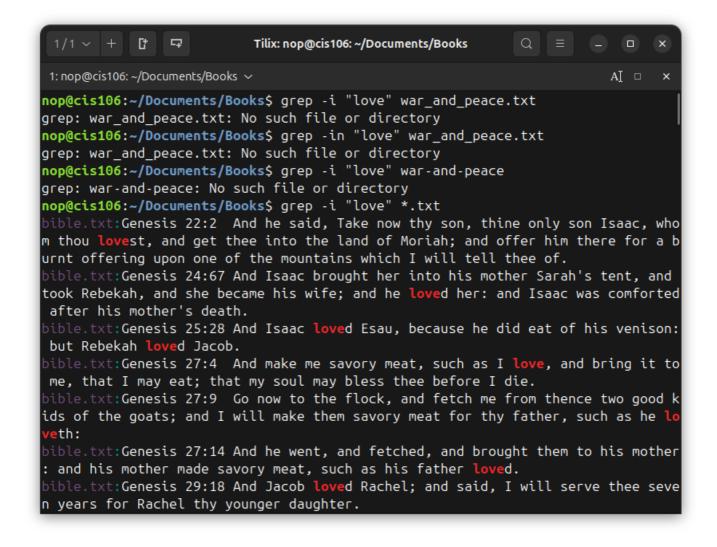
ne worked went step by step toward his goal. He was tree, he had nothing

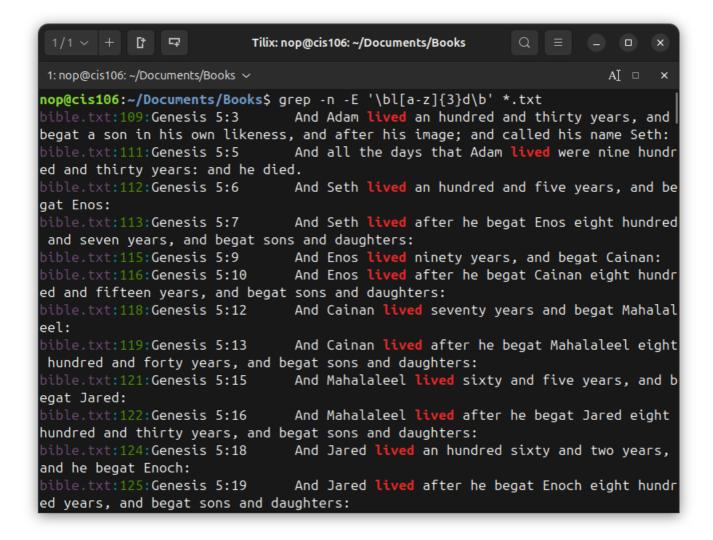


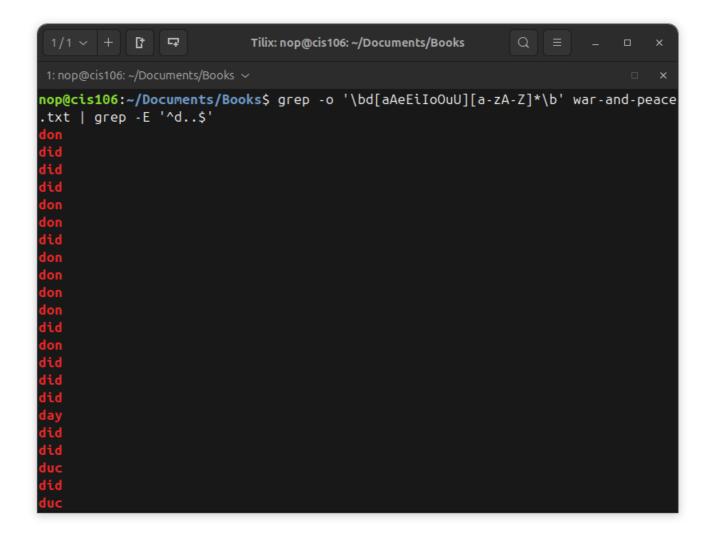


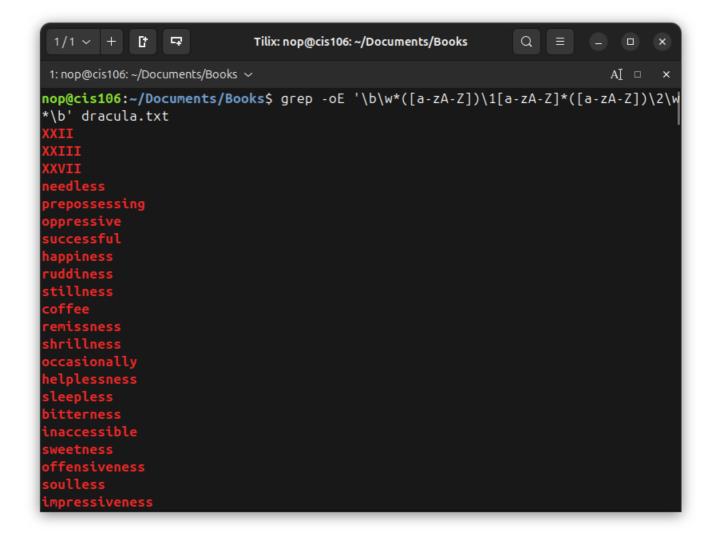












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