Task 1

Code:

#include <stdio.h>

int main() {

char alphabet[] = "abcdefghijklmnopqrstuvwxyz";

int size = 4;

int totalPasswords = 0;

for (int i = 0; i < 26; i++) {

for (int j = 0; j < 26; j++) {

if (j != i) {

for (int k = 0; k < 26; k++) {

if (k != i && k != j) {

for (int l = 0; l < 26; l++) {

if (l != i && l != j && l != k) {

printf("%c%c%c%c\n", alphabet[i], alphabet[j], alphabet[k], alphabet[l]);

totalPasswords++;

}

}

}

}

}

}

}

printf("\nTotal Passwords: %d\n", totalPasswords);

return 0;

}

