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## 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);
```

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```
return 0;
```

```
}
```

