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CODE:

```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

void auditWindows();
void auditLinux();
void generateReport(const char* version, const char* osType);

int main() {
    int choice;

    printf("Welcome to CIS Benchmark Auditor\n");
    printf("Pick an option:\n");
    printf("Option 1: Audit Windows\n");
    printf("Option 2: Audit Linux\n");

    printf("Enter your choice (1/2): ");
    scanf("%d", &choice);
    getchar(); // Consume newline left in buffer

    switch (choice) {
        case 1:
            auditWindows();
```

```
            break;
        case 2:
            auditLinux();
            break;
        default:
            printf("Invalid choice! Exiting...\n");
    }

    return 0;
}

void auditWindows() {
    char version[100];

    printf("Enter Windows Version (e.g., Windows 11 Enterprise):\n");
    fgets(version, sizeof(version), stdin);
    version[strcspn(version, "\n")] = '\0'; // Remove newline

    printf("Auditing %s...\n", version);
    printf("Checking CIS benchmarks for Windows...\n");

    generateReport(version, "Windows");
}

void auditLinux() {
    char distro[100];

    printf("Enter Linux Distribution (e.g., Ubuntu Desktop 20.04):\n");
    fgets(distro, sizeof(distro), stdin);
    distro[strcspn(distro, "\n")] = '\0'; // Remove newline
```

```
    printf("Auditing %s...\n", distro);
    printf("Checking CIS benchmarks for Linux...\n");

    generateReport(distro, "Linux");
}

void generateReport(const char* version, const char* osType) {
    printf("\nGenerating Report...\n");
    printf("------------------------------\n");
    printf("Operating System: %s\n", osType);
    printf("Version: %s\n", version);
    printf("Audit Status: Passed\n"); // Placeholder
    printf("------------------------------\n");
}
```