

Question7 A: write a program in c to terminate a process by the required system call and display its identifier just before its termination.

Solution 7

A.

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

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

```
#include <signal.h>
```

```
#include <unistd.h>
```

```
int main() {
```

```
    pid_t pid;
```

```
    // Getting the process ID
```

```
    printf("Enter the Process ID (PID) to terminate: ");
```

```
    scanf("%d", &pid);
```

```
    // Display the PID before termination
```

```
    printf("Terminating process with PID: %d\n", pid);
```

```
    // Sending the SIGTERM signal to the process
```

```
    if (kill(pid, SIGTERM) == 0) {
```

```
        printf("Process %d terminated successfully.\n", pid);
```

```
    } else {
```

```
        perror("Error terminating the process");
```

```
    }
```

```
    return 0;
```

```
}
```