

### Screenshot Using Compilation and Execution Commands

- mdeprofi@hornet:~/OS\_Project2\$ gcc bankers.c -o bankers
- mdeprofi@hornet:~/OS\_Project2\$ ./bankers

### Screenshot of Output Showing Safe State and Safe Sequence

```
Allocation Matrix:  
P0: 0 1 0  
P1: 2 0 0  
P2: 3 0 2  
P3: 2 2 1  
P4: 0 0 2  
  
Max Matrix:  
P0: 7 5 3  
P1: 3 3 2  
P2: 9 0 2  
P3: 2 2 2  
P4: 4 3 3  
  
Need Matrix (Max - Allocation):  
P0: 7 4 3  
P1: 1 3 2  
P2: 6 0 0  
P3: 0 0 1  
P4: 4 3 1  
  
Initial Available Resources: 3 2 2  
  
The system is in a safe state.  
Safe Sequence: < P3, P4, P1, P2, P0 >
```

The output correctly answers the question whether the system is in a safe state, while also outputting the safe sequence.