**Algorithm:-**

1. Allocate memory to A,B and C.
2. Assign max to A,B and C.
3. Need [i,j] = Max[i,j] – Allocation [i,j]
4. If Need [i,j] <=Available [j]
5. Available [j]=Available [j]+Allocation [i,j]
6. If c==5 :- say system is in safe state
7. Or if c reaches end of loop :-say system is in safe state
8. Print bankers table.
9. End

**Description:-**

The banker’s algorithm is a resource allocation and deadlock avoidance algorithm that tests for safety by simulating the allocation for predetermined maximum possible amounts of all resources, then makes an “s-state” check to test for possible activities, before deciding whether allocation should be allowed to continue.

The program is written in C language.

In this program I have used variables that are in place of following:-

All[] is for allocation.

Max[] is for maximum.

Need[] is for need.

Processes[] is for the processes present.

Flag is for true and false.

**Test Case:-**

