Assessment -2

1. Write C program to Solve the following using Bankers algorithm Deadlock avoidance using Bankers algorithm scenario:

scenario:

Process	Allocated A B C	Maximum A B C	Available A B C
P0	0 1 0	7 5 3	3 3 2
P1	2 0 0	3 2 2	
P2	3 0 2	9 0 2	
P3	2 1 1	2 2 2	
P4	0 0 2	4 3 3	

a. Display the Safe sequence, if exists for the above scenario.

b. Can request for (3,3,0) by P4 be granted?

2. To implement shared memory concept using IPC in C by using shmat and shmget;

  (i) Using server program allocate server memory using shmat() function which return

    attached shared memory segment identified by shmid.

 (ii) This attached memory can be overwrite by another program.

(iii) Using shmget we got shmid which is used for attaching shared memory for accessing.