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6. Bankers Algorithm
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#include<stdio.h>
                                                          count=0;t=P[i];
void main()
                                                          for(j=0;j< rz;j++)
                                                          need[t][j]=MAX[t][j]-allocated[t][j];
int
k=0, output[10], d=0, t=0, ins[5], i, avail[5], allocated
                                                           if(need[t][j]<=avail[j])
[10][5],need[10][5],MAX[10][5],pno,P[10],rz,j,co
                                                           count++;
unt=0;
printf("\n Enter the no. of resources:");
                                                           if(count==rz)
scanf("%d",&rz);
printf("\n Enter the max instances of each
                                                           output[k++]=P[i];
resources\n");
                                                           for(j=0;j< rz;j++)
for(i=0;i<rz;i++)
                                                           avail[j]+=allocated[t][j];
{
                                                            }
avail[i]==0;
                                                            else
 printf("%c=",(i+97));
                                                            P[++d]=P[i];
 scanf("%d",&ins[i]);
                                                            if(d!=-1)
 printf("\n Enter no. of processes:");
 scanf("%d",&pno);
                                                            pno=d+1;
 printf("\n Enter the allocation matrix\n");
                                                            goto A;
 for(i=0;i<rz;i++)
 printf("%c",(i+97));
                                                             printf("\t<");
 printf("\n");
                                                             for(i=0;i<k;i++)
 for(i=0;i<pno;i++)
                                                             printf("P[%d]",output[i]);
                                                             printf(">");
 P[i]=i;
 printf("P[%]",P[i]);
                                                             OUTPUT
 for(j=0;j<rz;j++)
                                                             Enter the no. of resources:1
                                                              Enter the max instances of each resources
 scanf("%d",&allocated[i][j]);
                                                             a = 20
 avail[j]+=allocated[i][j];
                                                              Enter no. of processes:5
                                                              Enter the allocation matrix
 printf("\n Enter the MAX matrix\n");
                                                              a
                                                              P[0]2
 for(i=0;i< rz;i++)
                                                              P[1]6
                                                              P[2]8
 printf("%c",(i+97));
                                                              P[3]4
 avail[i]=ins[i]-avail[i];
                                                              P[4]4
 printf("\n");
                                                               Enter the MAX matrix
 for(i=0;i<pno;i++)
                                                               P[0]20
 printf("P",i);
                                                               P[1]18
 for(j=0;j< rz;j++)
                                                               P[2]2
  scanf("%d",&MAX[i][j]);
                                                               P[3]12
                                                                P[4]6
  printf("\n");
                                                                     <P[2]P[4]P[3]P[1]P[0]>
  A:d=-1;
  for(i=0;i<pno;i++)
```