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COURSE: Operating System

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CODE:

FIL21.C

```
#include<stdio.h>
int main()
    int no of frames, no of pages, frames[10], pages[30], temp[10],
flag1, flag2, flag3, i, j, k, pos, max, faults = 0;
    printf("Enter number of frames: ");
    scanf("%d", &no of frames);
    printf("Enter number of pages: ");
    scanf("%d", &no of pages);
    printf("Enter page reference string: ");
    for (i = 0; i < no of pages; ++i) {
        scanf("%d", &pages[i]);
    for(i = 0; i < no_of_frames; ++i){</pre>
        frames[i] = -1;
    }
    for(i = 0; i < no of pages; ++i){
        flag1 = flag2 = 0;
        for (j = 0; j < no of frames; ++j) {
            if(frames[j] == pages[i]){
                   flag1 = flag2 = 1;
                   break;
               }
        if(flag1 == 0){
            for(j = 0; j < no of frames; ++j){}
                if(frames[j] == -1){
```

faults++;

```
frames[j] = pages[i];
                     flag2 = 1;
                     break;
                 }
             }
        }
        if(flag2 == 0){
         flag3 = 0;
             for(j = 0; j < no_of_frames; ++j){</pre>
              temp[j] = -1;
              for(k = i + 1; k < no_of_pages; ++k) {</pre>
              if(frames[j] == pages[k]){
              temp[j] = k;
              break;
              }
              }
             }
             for(j = 0; j < no_of_frames; ++j){</pre>
              if(temp[j] == -1){
              pos = j;
              flag3 = 1;
             break;
              }
             }
             if(flag3 ==0){
              max = temp[0];
              pos = 0;
              for(j = 1; j < no of frames; ++j){}
              if(temp[j] > max){
              max = temp[j];
              pos = j;
              }
              }
frames[pos] = pages[i];
faults++;
        printf("\n");
        for(j = 0; j < no_of_frames; ++j){</pre>
            printf("%d\t", frames[j]);
        }
    }
    printf("\n\nTotal Page Faults = %d", faults);
   return 0;
}
```

FIL20.C

```
#include<stdio.h>
int main()
int i,j,n,a[50],frame[10],no,k,avail,count=0;
             printf("\n ENTER THE NUMBER OF PAGES:\n");
scanf("%d",&n);
             printf("\n ENTER THE PAGE NUMBER :\n");
             for (i=1; i<=n; i++)
             scanf("%d",&a[i]);
             printf("\n ENTER THE NUMBER OF FRAMES :");
             scanf("%d", &no);
for(i=0;i<no;i++)</pre>
             frame[i] = -1;
                          j=0;
                          printf("\tref string\t page frames\n");
for(i=1;i<=n;i++)
                          {
                                       printf("%d\t\t",a[i]);
                                       avail=0;
                                       for (k=0; k < no; k++)
if(frame[k] == a[i])
                                                    avail=1;
                                       if (avail==0)
                                       {
                                                    frame[j]=a[i];
                                                    j = (j+1) %no;
                                                    count++;
                                                    for (k=0; k<no; k++)
printf("%d\t",frame[k]);
}
                                       printf("\n");
}
                          printf("Page Fault Is %d", count);
                          return 0;
}
```

FILL22.C

```
scanf("%d",&f);
q[k]=p[k];
printf("\n\t%d\n",q[k]);
C++;
k++;
for(i=1;i<n;i++)
                          c1=0;
                          for (j=0; j<f; j++)</pre>
                                        if(p[i]!=q[j])
                                        c1++;
                          }
                          if(c1==f)
                          {
                                        C++;
                                        if(k<f)
                                        {
                                                     q[k]=p[i];
                                                     k++;
                                                     for(j=0;j<k;j++)
                                                     printf("\t%d",q[j]);
                                                     printf("\n");
                                        }
                                        else
                                        {
                                                     for(r=0;r<f;r++)
                                                                  c2[r]=0;
                                                                  for(j=i-
1;j<n;j--)
                                                                  {
if(q[r]!=p[j])
                                                                  c2[r]++;
                                                                  else
                                                                  break;
                                                     }
                                        for(r=0;r<f;r++)
                                        b[r]=c2[r];
                                        for(r=0;r<f;r++)
                                        {
                                                     for(j=r;j<f;j++)</pre>
                                                     {
if(b[r]<b[j])
                                                                  {
t=b[r];
b[r]=b[j];
b[j]=t;
                                                                  }
                                                     }
```

SCREENSHOTS:

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                             }r(c)-r)
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fer(]=t:[=e:]--)
(
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cl[r]=e(
cle
brest;
                                                             fer(3=r13=f13++)
                                                                        (
#4(#[4)=#[]]]
                                                           %f(v2[r]--b(0])
%[r]-0[t]:
pr(vtf("]rm",4[r]);
printf("jothe as of page fasts to be", ();
                 dits = 4+15-appelabl-4:-5
-4:-5 per FALS::
-anning: Feturn type defealth to "Let" [inimplicity int]
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en()-n()-f()-)
(
                                               $P(a[1]1-0[1])
c1+1
                                                                         g(k]=p[t];
k=:
fwr(l=0;]=k:[]=e)
printf(-(lof.,sf335)
printf(-(n'));
                                                                         fac(t-d)c-tje-s)
                                                                                           catrion;
fortist-tipoci-)
                                                                                           (P(4[Y])-p(1])
(Z[Y)+1
else
bresk;
                                                        Par(rediretires)
8(r)=08(r)1
far(rediret)res)
                                                                          for(jurijefijas)
      To not you hant themad told

/a.com/: file out recognized: File truncated

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                ge faulte - 45th-mppolath-45-5
stani-45-5 gor filiz.c
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           representation of per gitter.c.

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filed acre. no logal files
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specialist acre.) per filez;

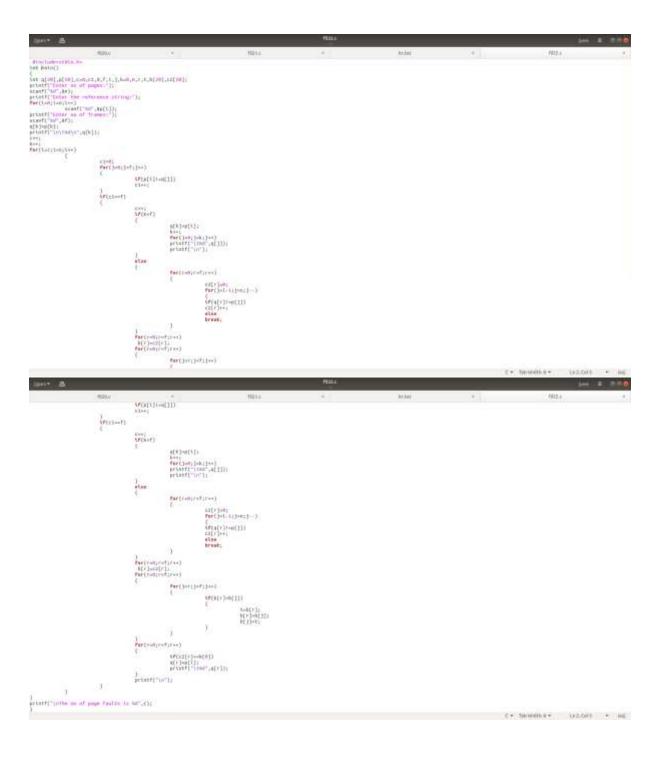
especialist acre. Joseph

or acre. Joseph

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