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Course - BSc IT Section - B

1)

c Program code for Worst Fit Memory management Scheme

```
#include <stdio.h>
#include <conio.h>
#define max 25

void main()
{
 int frag[max],b[max],f[max],i,j,nb,nf,temp,highest = 0;
 static int bf[max],ff[max];
 clrscr();

 printf("\n\tMemory Management Scheme - Worst Fit");
 printf("\nEnter the number of Blocks:");
 scanf("%d",&nb);
 printf("Enter the number of files:");
 scanf("%d",&nf);
 printf("\nEnter the size of the Blocks:-\n");
 for(i=1;i<=nb;i++){printf("Block %d:",i); scanf("%d",&b[i];}
 for(i=1;i<=nf;i++)
{
 if(j=1;j<=nb;j++)
{
 if(bf[j]!=1)  //if bf[j] is not allocated
 {
  temp = b[j]-f[i];
 if(temp>=0)
 if(highest<temp)
 {
  ff[i] = j;
  highest = temp;
 }
 }
 }
}
```

```
frag[i] = highest
bf[ff[i]] = 1;
highest = 0;
}
printf("\nFile_no:\t File_size:\tBlock_no:\tBlock_size:\
t Fragment");
for(i=1; i<=nf; i++)
printf ("\n%d\t\t %dt\t %d\t \t %d\t\t %d",
i, f[i], ff[i], b[ff[i]], frag[i];
getch();
}
```