

Graphic Era Hill University, Dehradun (Practical Exam 2021, Aug)
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Course - BSCIT Section - A Sem - 2 Subject Name - OS End term Practical
Subject Code - PBI 202 Page No - 01 Signature - Anshika Rana
Ans-1- Worst Fit Memory Management Scheme

```
#include <stdio.h>
#include <conio.h>
#define max 25
int main()
{
    int frag [max], b [max], f [max], i, j, nb, nf, temp;
    static int bf [max], ff [max];
    printf ("\n Memory Management Scheme - Worst Fit");
    printf ("\n Enter the number of blocks :");
    scanf ("%d", &nb);
    printf ("Enter the number of files :");
    scanf ("%d", &nf);
    printf ("\n Enter the size of the blocks :- \n");
    for (i = 1; i <= nb; i++)
    {
        printf ("Block %d :", i);
        scanf ("%d", &b [i]);
    }
    printf ("Enter the size of the files :- \n");
    for (i = 1; i <= nf; i++)
    {
        printf ("File %d :", i);
        scanf ("%d", &f [i]);
    }
    for (i = 1; i <= nf; i++)
```

```

{
for (j=1; j<=nb; j++)
{
if (bf[j] != 1)
{
temp = b[j] - f[i];
if (temp >= 0)
{
ff[i] = j;
break;
}
}
}
frag[i] = temp;
bf[ff[i]] = 1;
}
printf ("\nFile-no : \t file-size : \t Block-no : \t
      Block-size : \t Fragement ");
for (i=1; i<=nf; i++)
printf ("\n%d \t \t %d \t \t %d \t \t %d \t \t %d",
      i, f[i], ff[i], b[ff[i]], frag[i]);
getch();
}

```

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