```
NAME - ANISHA RAWAT
                                     CAMPUS - DEURADOON
 ROLL NUMBER- 2023030
                                    SEMESTER - 2
 STUDENT ID-20422001
                                    Signature Krishe
 SUBJECT - OPERATING SYSTEM
                                               27/08/21.
 COURSE- BSC-IT
 SECTION- 'B'
Q. 1. # include < stdio. h>
   int main ()
    psintf ("InItItIt memory management" "- worst Fit");
    int i, j, rblocks, nfiles, temp, lop = 0;
   int frag [10], bocks [10], files [10];
   Static int block_aux[10], file_aux[10];
   Printf ("In Enter the Total Number " " of Blocks ":");
   scanf ("" yod", Enblocks);
   Printf ("Enter the total number " " offiles: ");
  scanf (""/.d", Enfiles);
  Printf ("In Enter the size of the" Blocks: (h");
  tor(i=0;i<nblocks;i++)
 { printy ("Block No. 7. d: \7", i+1);
  Scarf (".1.d", & blocks [i]);
  printf ("Enter the size of the Files: \n").
  for (i= o', i< n files; i++)
   printf ("File No. Y.d: \t", i+1);
  scanf (" " Ld", & files [i]);
 for (i = 0; 1' < n files; 1++)
 for (j = 0; j < nblocks; j++)
```

```
CAMPUS - DEHRADOON
            NAME - ANISHA RAWAT
                                                                                                                                                                     SEMESTER 2nd
           ROUNO - 2023030
          STUDENT ID - 2 0422001
                                                                                                                                                                     lignalare Brish 27/08/2).
         SUBJECT - 20 PERATING SYSTEM
        COURSE- BSC-IT
        SECTION - B.
           if (block_wur[j][=1)
                temp = blocks [;] -files [i];
              if (temp) = 0)
                    if (top (temp)
                  file_our[i]= ;;
            top = temp;
         frag [i] = top;
          block-arr [file-arr[i]]=1;
        top = 0;
    printf("In File Number | + File Size | + " " Block Number | + Block
                                                                         Size | + Fragment");
         for (1°=0', 1° 1 nfiles; i++)
{ printf ("\n %d \t \t %d \t \t \%d \t \\ \%d \t \t \\%d \t \\ \%d \\
                                         file-wrs[i], blocks[file-wrs[i]], frag [i]);
     } printf ("\n");
              actuan o:
```

