Graphic Era Hill University (Dehradun)

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Q.4 Code

```
#include <stdio.h>

 int main()
{
Printf ("\n\t\t\tmemory management" " - worst fit");
int i, j, nblocks, nfiles, temp, top = 0;
int frag[10], blocks[10], files[10];
Static int block_add[10], file_add[10];
printf ("\nEnter the total number" " of Blocks:");
Scanf ("%d", &nblocks);
Printf ("Enter the Total number" " of files:");
Scanf ("%d", &nfiles);
Printf ("\nEnter the Size of the" " Blocks:\n");
   for (i = 0; j<nblocks; i++)
{
Printf (" Block No.%d:\t", i+1);
Scanf ("%d", &blocks[i]);
```

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```
}
Printf ("Enter the Size of the "" files:\n");
  for (i=0, i<nfiles;, i++)
{
 Printf ("files No. %d:\t", i+1);
 Scanf ("%d", &files[i]);
}
for (i=0; i<nfiles; i++)
{
 for(j= 0; j< nblocks; j++)
{
  If (block_use[j] != 1)
{
 Temp = blocks[j]- files[i];
  if (temp >=0)
{
  if (top<temp)
{
 file_use[i] = j;
Top = temp;
}
}
}
```

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```
frag[i] = top;
Block_use[file_use[i]] += 1;
Top = 0;
}
}
Printf("\nFile Number\t File Size\t""Block Number\tBlock Size\tfragment");
for(i=0; i<nfiles; i++)
{
Printf("\n%d\t\t%d\t\t%d\t\t%d\t\t%d", i, files[i],
file_use[i], blocks[file_use[i], frag[i]);
}
Printf("\n");
Return 0;
```

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