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Subject:→ operating System

Sec:→ B
Course:→ BSC. IT
Campus:→ Dehradhun
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Q1> # include <Stdio.h>

```
int main()
{
int fragments[10], blocks[10], files[10];
int m, n, number_of_blocks, number_of_files, temp,
top = 0;
Static int block_arr[10], file_arr[10];
printf("\nEnter the total Number of Blocks:\t");
Scanf("%d", &number_of_blocks);
printf("Enter the Total Number of Files:\t");
scanf("%d," &number_of_files);
for(m=0;m<number_of_blocks;m++)
{
printf("Block no. [%d]:\t", m+1);
scanf("%d", blocks[m]);
}
printf("\t");
Scanff("%d", &process_numbes);
//printf("\Enter the size of the Blocks:\n");
```

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```
for(m=0;m< block_numbes;m++)
  {
  printf("Block No.[%d]:\t",m+1);
  Scanf("%d",&blocks[m]);
  }
// Fill the size of the process
  printf("Enter the Size of the processes:\n");
  for(m=0;m<process_number,m++)
  {
  printf("process No.[%d]:t",m+1);
  scan("%d",&processes[m]);
  }
// memory allocate to the process
  for(m=0;m<process_number;m++) { if(block arr[n]!
  =1){ temp= blocks[n]-process[m]; if(temp>=0)
      if(top<temp)
```

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```
{
process_arr[m]=n;
top = temp;
}
}
}
frag[m]=top;
block_arr[process_arr[m]]=1;
top=0;
}
}
printf("\n Process Number\t Process Size\t Block Number\t Block Size\t Fragment");
for(m=0; m< process_number; m++)
{
print("\n %d\t\t %d\t\t %d\t\t %d", m, process[m], process_arr[m] block[process[arr[m]], fragments[m]);
}
printf("\n");
return 0;
}
```

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