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SE-4-D

# EXPERIMENT N0-08

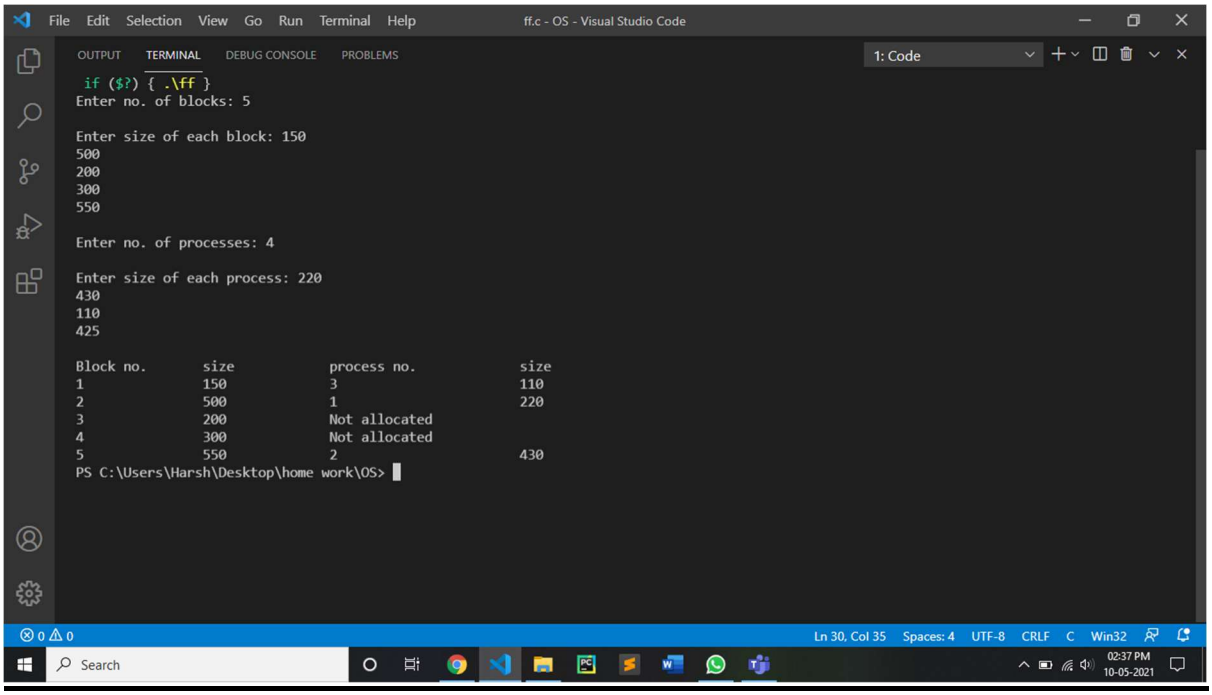
## WRITE A PROHRAM TO IMPLEMENT DYANMIC PATITIONING PLACEMENT ALOGRITHM FIRST FIT

## CODE:

```
#include<stdio.h>


void main()
{
	int bsize[10], psize[10], bno, pno, flags[10], allocation[10], i, j;

	for(i = 0; i < 10; i++)
	{
		flags[i] = 0;
		allocation[i] = -1;
	}

	printf("Enter no. of blocks: ");
	scanf("%d", &bno);

	printf("\nEnter size of each block: ");
	for(i = 0; i < bno; i++)
		scanf("%d", &bsize[i]);

	printf("\nEnter no. of processes: ");
	scanf("%d", &pno);

	printf("\nEnter size of each process: ");
```

```
    for(i = 0; i < pno; i++)
        scanf("%d", &psize[i]);
    for(i = 0; i < pno; i++)
        for(j = 0; j < bno; j++)
            if(flags[j] == 0 && bsize[j] >= psize[i])
            {
                allocation[j] = i;
                flags[j] = 1;
                break;
            }

    printf("\nBlock no.\tsize\t\tprocess no.\t\tsize");
    for(i = 0; i < bno; i++)
    {
        printf("\n%d\t\t%d\t\t", i+1, bsize[i]);
        if(flags[i] == 1)
            printf("%d\t\t\t%d",allocation[i]+1,psize[allocation[i]]);
        else
            printf("Not allocated");
    }
}
```

# OUTPUT:


File Edit Selection View Go Run Terminal Help
ff.c - OS - Visual Studio Code
OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS
1: Code
if ($?) { .\ff }
Enter no. of blocks: 5
Enter size of each block: 150
500
200
300
550
Enter no. of processes: 4
Enter size of each process: 220
430
110
425
Block no. size process no. size
1 150 3 110
2 500 1 220
3 200 Not allocated
4 300 Not allocated
5 550 2 430
PS C:\Users\Harsh\Desktop\home work\OS>
Ln 30, Col 35 Spaces: 4 UTF-8 CRLF C Win32
Search
02:37 PM
10-05-2021