LAB-6 PAGE NO.: worst-fit b) Best-fit c's First-fit 7 #include 25tdio,h> # include <5tdlib, h> # define MAX 25 void firstfit (int nb, int nf, int b[], int [[]]){

int [[MAX] = 603;

int allocated [MAX] = 603; #[i] = j; allo cated [j] = 1; break; print (° \n File no ° \t File size : \t Block no : \t
Block size : "); for (int i=0; i < n/; i+) {

if (1/[i]!=-1)

printf (" \n 1 d \t \t 1 d \t \t + a \t \t 1.d") i+1, f[i], //[i]+1, b[/[i]]); print ("In 1. d\t\t.d\t\t-\t\t-",
i+1, [[i]); Galaxy F545G }

best jit ( ind no, int of, int b(7, int f(1)) { int [[MAX] = {0}; int allocated[MAX] allocated [MAI] = (0); from (int i=0; ix nf; i++){ \$ int best =-1; H[i] =-1; 109 (int j=0; j<nb; j++){ if (allocated [j]==0 xx b[j]>=[?i]){

if (bust ====1 | | b[j] < b (bust ])

bust = j; if (best/=-1){ H[i] = best; allocated [best] = 1; print (" In file no: It File size: It Block no: It Block.
3124:"); for (int 1=0; 1< n/; 1+1){

if (||[|]|=-1) clse print (" In 1 d 1+1+ 1-d 1+ 1+ -1+1+-", 1+1, void worst fit (int nb, int nf, int b[7, int f[7]){

int | [MAX] = for;

int allocated [MAX] = for;

PAGE NO.: DATE for (int i=0; i< n; i++){

int worst =-1; nt wors: ---,  $\{|f|\} = -1;$ for (int j = 0; j < nb; j + 1) { ij (auo cated [j] = = 0 & b | b | j | 7 = p | s | 1)} ij (auo rest = = -1 | 1 | b | s | j | 7 | b | forest | j) worst = j;print (" In File no: It File size: It Block no; It
Block size: "); for (int 120; 1< m; 1++) } if (//[i] ! = -1) print[ \n +d \+ \+ +d \+ \+ +d \+ \+ \+d",
i+1; [ [i] , [ [ [i] +1 , b [ [ [ [i] ] ); elsc print ( \n 7 d | t|t 1 d | t|t - 4|t-",

i+1, [[i]); main (){ int int nb, n, choice; print[ " Memory management Scheme"); printy a in Eater nor of Blocks "); scary ("1.d", 8 nb); prival (" Enter nor of files"); xy F54 56

int binb), fint, print (" In Enter Size of blocks: \n"); for ("int i=0; ixnb, i+4) { print[(" Block 1.d:", i+1); scanf ("1.d", 86[i]); print ("Enter the size of files: In"), 107 (int i=0; i<n; ; ++1/2 privit ("File 1.d:", i+1); 5(an) ("1.d", 4/1:1); While (1) { print ( \n 1: first fit 2: Bust fit 3: Worst fit 4: Enit \n"); privat (" Enter your choice: "); scary ("Y.d", & choice); switch (choice){ Case 1: print ("In It Memory Management Scheme - First Fit In"); firstit (nb, nf, b,f); break; · Couse 2: print [" In MM 5- Bust Fit In"); Bestlit (nb, nf, 6,1); break; Case 3: print (" In MMS - Worst Fit In"); worstit (nb, ny, b, 1); break; COSC 4: exit(0); Greak; default; print ("Irralid Choice"); xy F54 5G \

PAGE NO.: DATE / / 2 Output: Memory Management Scheme Enter non of blocks: 6 Enter non of files: 4 Enter size of blocks: Block 1: 200 Block 2 : 400 Block 3: 600 Block 4: 500 Block 5: 300 Block 6: 250 Enter size of files: File 2; 210 File 3: 468 File 4: 491 1; First Fit 2: But fit 3: Worst Fit 4: Exit Enter your Choice: 1 Memory management scheme - First fit 1 File size Block no Block Size File no 400 2 357 ) 3 600 210 2 50 0 468 491 Galaxy F545G

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Enter you	er cheice: 2		
Memon	management	Scheme: Best Fit	
File no	-//	Block no	Block Size
1	357	2	400
2	210	6	250
3	468	9.	500
4	491	3 .	600
		•	

Enter you	r Choice: 3		
Memory		Schume: Worst	Fit
File no	File size	Block no	block size
1	357	3	600
2	210	4	500
3	468		-
A	491	<u> </u>	-