write a congram eto complement Rate man. nic scheduling: # include LStdio.h) # include (sadlib, b) H define MAX TASKS-10 type at struct ind Tijonala alle and the ind (i; ind deadline; int RT; Instid; 3 Task; woid Input (Tauk Jas Ks[], int * n task) (printf ("Enter no. of tooks"); scant (" / d", (n-tasks); for (int i=0; i (in + asks; i++) Jas K(i).id= 1++; prints (" Enter T: of took "id, itil; scanf ("/·d", & tooks[i][i]]; printf(" Enter execution time of task ite *i+1*); scanf ("1.d" & fas ks [i] (i); fastes [i] dead fine = fasks [i] 7i +asks [i] RT: Jasks [i] Ci ind compare by period (cost voa « a control oid RMs (5 Noid RMS (Task fasks (7, int no tasks int Lime_Brame)

ajort (Lasks, n. Lasta, size of (Tasks), compare. by-Deviodli Prinst (" 10 Rate monotonic schoduling")? for Cinstine=0; time (time Frame; time+ int s tacks = -1: for (inti=0; i < n_tayle if Chimo of- HOURS [i (tasks[i] RTSO Ell +asks[:7.7: < tasks[8-400k] 5_ task = 1: fcok1 = -11 printf (Time 1.d: Lasks/s Clse 1 Time I.d : z dela timo in main () Task tasks [Mas - Jasks int n-tacks; ind Lime Frame. Inpu (lask, & n. touki); print (Enter time frame for simulation: scant ("1.d" & Hime-frame) emst tours a josky time frame teturno;

PAGE NO :

out ipul: enter no ob sosks: 3 Enser 7:06 sask 1:20 Enter Execution time of Lask 1:3 Enter Ti of tooks: 5 Enter Execution time of Lasks; 2 Enter Ti of task 3:10 Enser time Acrose execution of last. 3: 2 Enter time frame for simulation: 20 Rate monotonic scheduling: Timeo: task 2 time 1: task? time 2 : tasic3 time 3 : +a,163 Lime 4: task ! time s: Lask? time 6: task 2 L'me 7: Lank 1 time 8: tasic 1 time q; Idle fime 10: + Ouk 2 time 11: task & 2 time 12 : task 3 fime 13 : Lask 3 Lime 14: Idle time 15 : Task 2 time 16: 2dle time 17 : Idle time 10 , Itle dimo 19: 7810