```
@ write a program to implement 523 schoduling
#include (sidio.h)
# define MAX process 10
typedef struct &
    int pid;
    int arr;
    int burst;
    int comp;
    int turn;
   int wait;
    int processed:
 3 proc;
void sif np ( proc process ], int o) {
    int curtime=0;
    int total times or, comp_ time=0;
    int total_wait_time=0;
    int total_turnaround_time=0;
   while (1) f
       int shortest_job = -1;
      int shortest burst = 9999;
       for (int 1=0; i(n; 1'++){
         if (prou [i7. arr (= curr_time el
              procs[i]. processed == 0]!
            i'f (processid bust (shorted bust
               shortest_burst = proceliber
              3 horrest job=i;
```

DATE:

if (shortest-job==-1) break' and Procs [shorted\_job]. comp= curr lime+procs[shorted\_job], Variance sui bust; proces shorter job. turn=proces shortest job. compproce (shortest, job). burst; pracifis bordest job, wait = procifishortest job, turn - procisshorter job. burst; if [procissborted j'ob]. wait (0) proco[stortest job]. wait=o; total\_comp\_time += procs[shorter\_job].comp; total\_total\_time+= procs[shorter\_job]\_wait; +otal turnaround time += procs[shortes\_job] turn; proces (shortest job) processed = 1: Curr time= proce [shortest job]. comp; double aug\_turnaround\_time= (double) total\_turn around time in: double avg\_waiting\_time=(double)+otal\_wait\_ to solano od time in: print ("process ID) + Arrival Time & Bunt Time & completion time & waiting time & turn arond, for (inti=0; icn; i++)f prints("-/-d/148/1 2-d/+ 11.7.4/1 11.4.9 1+ 1+ 1.d 1 + 1.d; processil pid, processil arr, processil bush, procs[i] comp, procs[i], wait, procs[i], tem);

	print + ("In Average turnaround Prime: 1/2Ch
	print to any turnaround time).
	prints ("Average waiting time: 1. 28/10"
	avg_waiting_time);
	was and more and they was a 22 more
13/13/04/60	in+ main () {
	mer interposed comp. Hot worked alson
	proce processmax process;
	printf ("Enter the number of processes;").
*14:174	for (int i=0; i <n; i++)="" th="" {<=""></n;>
	procefij, pid=/+ jijord
	printfluenter arrival time for processital
	The House of the contract of t
	Scant 6 " y-d" Coprocs [i]. air);
- * K *	printf 6" Enkr burst time for proles to
	1+1)
	Scant (" d' d procs [i] burst);
	3 procs [; 7. processed =0;
	SiP np (procs, n);
	2 return Osi home con side of
Carrier St.	O. A.
	For 1
Vicaria	Enter the number of process: 5
Chambra	Enter arrival time for proces: 1 2 21
tint .	BT
	9
	16 16
*****	6
	3 11 6 9
10 State 1 - 19 1 5	