Ex. No.: 6c)
Date: 8/3/25

PRIORITY SCHEDULING

Aim:

To implement priority scheduling technique

Algorithm:

1. Get the number of processes from the user.

2. Read the process name, burst time and priority of process.

3. Sort based on burst time of all processes in ascending order based priority 4. Calculate the total waiting time and total turnaround time for each process 5. Display the process name & burst time for each process.

6. Display the total waiting time, average waiting time, turnaround time

Program Code:

include (stdlo.h) mt main () prints ("Inter no of proces:"); scant ("6/0d", &n); int binj, tinj, pinj, cinj, tatil, w Enj, prenj, anenj; Scant (11% d'1, & proid);

Printf ("Burst time for each for (int 1=0; 1< n; 1++) scant ("1.d", &b(i]); P(i)=i+1; for (int 1=0; ixn -1; it) ([[] rq ([i] rq) 7; } int temp=p8 [i];

```
temp = bcij;
   出了一切了;
   bIj J=temp;
   temp= p[i];
   Prij-prij;
   P[j]=temp;
float ang_ta=Sum_ta(n;
Plat augw=sum_win;
 prints (" process / + priority + Burst Time / + Arrival Time / +
 Waiting Time (t Twin around time (n");
 for ( int i=0; ikn; i+1) of
     brintt(,,,q/f.,q/f.,q/f.,q/f.,q,/f././, pxc1, bcl) plj,
     on[i], with ta [i]);
  printf("The own waiting Time is: "/o. 2f/n", own_w);
   prints (" The any Turnaround Time is: 1/ of m", ang ta);
  return o
```

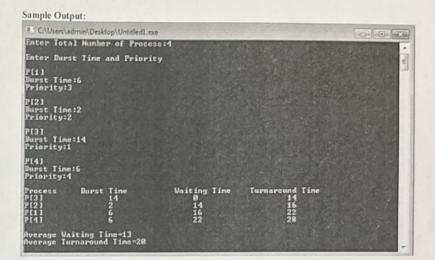
Enter no-of processes: 4

Enter oruival time: 0

Enber priority: 3142

Enter burst time: 5 4 21

Process	Priority	Burstime	Arrivaltime	Waiting	Twund Time	C,
2	1-	4	0	71 me		C,
H	2	1	0	4	,	C.
1	3	5	0	5	10	C,
3	4	2	10	10	12	5



Result:

Hilling of the state of the sta

Hence c program for Priority scheduling is executed and written success bury.

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