PRACTICAL -6

AIM: WRITE A PROGRAM TO IMPLEMENT FCFS SCHEDULING ALGORITHM.

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SOL: #include<iostream>
#include<stdio.h>
using namespace std;
int tim=0;
int main()
{
int n,b[20],i,j,w[20],tw=0,taround[20],tt=0;
float avw,avt;
cout<<"\nEnter the Number of Processes: ";</pre>
cin>>n;
for(i=1;i<=n;i++)
{
cout<<"\nEnter the Burst Time of Process "<<i<": ";</pre>
cin>>b[i];
}
for(i=1;i<=n;i++)
{
w[i]=tim;
for(j=1;j<=b[i];j++)
{
tim++;
if(j==b[i])
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taround[i]=tim;
}
for(i=1;i<=n;i++)
tw=tw+w[i];
}
avw=(float)tw/n;
for(i=1;i<=n;i++)
{
tt=tt+taround[i];
}
avt=(float)tt/n;
cout<<"\nWaiting Times and Turn Around Times of the Processes";</pre>
printf("\n**************);
for(i=1;i<=n;i++)
{
cout<<"\nProcess: "<<i<"-->"<<"Waiting Time: "<<w[i]<<", "<<"Turn Around
Time: "<<taround[i];</pre>
}
cout<<"\n\nAverage Waiting Time: "<<avw;</pre>
cout<<"\nAverage Turn Around Time: "<<avt<<endl;</pre>
return 0;
}
OUTPUT:
```