Experiment 8

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Subject Name: Operating System **Subject Code:21CSH-242**

1. Aim: Simulation of First come first serve CPU scheduling algorithm

2. 3. Steps for experiment/practical:

```
#include <iostream>

using namespace std;

int main()

{

int n,i;

cout<<"enter no of processes in fcfs:";

cin>>n;

int bt[n];//burst time

int at[n];//arrival time

int ft[n];//final time

int tat[n];//turn around time

int wt[n];//waiting time

cout<<"enter arrival times:";

for(i=0;i<n;i++)
```

```
{
cin>>at[i];
}
cout<<"enter burst times:";
for(i=0;i<n;i++)
{
cin>>bt[i];
}
for(i=0;i<n;i++)
{
ft[i]=bt[i]+at[i];
tat[i]=ft[i]-at[i];
wt[i]=tat[i]-bt[i];
}
cout<<"*************************************"<<endl;
cout<<"SNO"<<" "<<"ft "<<" "<<"bt "<<" "<<"at "<<" "<<"tat "<<" "<<"wt "<<endl;
cout<<"*************************************"<<endl;
for(i=0;i<n;i++)
{
cout<<i+1<<"       "<<ft[i]<<" "<<bt[i]<<"   "<<at[i]<<"  "<<tat[i]<<" "<<wt[i]<<endl;
}
```

```
cout<<"*************************************"<<endl;

return 0;

}
```

4. Result/Output/Writing Summary:

3. Learning outcomes (What I have learnt):

1.

Evaluation Grid :

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Student Performance (Conduct of experiment) objectives/Outcomes.		12
2.	Viva Voce		10
3.	Submission of Work Sheet (Record)		8
	Total		30