|  |
| --- |
| #include<iostream> |
|  | using namespace std; |
|  | int main() |
|  | { |
|  | int n , bt[30],wt[30],tat[30]; |
|  | float awt=0, atat=0; |
|  | cout<<"Enter the number of processes: "; |
|  | cin>>n; |
|  | cout<<"Enter the burst time of processes: "; |
|  | for(int i=0;i<n;i++) |
|  | { |
|  | cin>>bt[i]; |
|  | } |
|  | cout<<"process \t burst time \t waiting time \t turn around time "<<endl; |
|  |  |
|  | for(int i=0;i<n;i++) |
|  | { |
|  | wt[i]=0; |
|  | tat[i]=0; |
|  | for(int j=0;j<i;j++) |
|  | { |
|  | wt[i]=wt[i]+bt[j]; |
|  | } |
|  | tat[i]=wt[i]+bt[i]; |
|  | awt = awt + wt[i]; |
|  | atat = atat + tat[i]; |
|  |  |
|  | cout<<i+1<<"\t\t"<<bt[i]<<"\t\t"<<wt[i]<<"\t\t"<<tat[i]<<endl; |
|  | } |
|  | awt = awt / n; |
|  | cout<<"Average waiting time = "<<awt<<endl; |
|  | atat = atat / n ; |
|  | cout<<"Average turn around time = "<<atat; |
|  | return 0; |
|  | } |