```
#include<stdio.h>
struct process
{
  int WT,AT,BT,TAT,PT;
};
struct process a[10];
int main()
{
  int n,temp[10],t,count=0,short_p;
  float total_WT=0,total_TAT=0,Avg_WT,Avg_TAT;
  printf("Enter the number of the process\n");
  scanf("%d",&n);
  printf("Enter the arrival time , burst time and priority of the process\n");
  printf("AT BT PT\n");
  for(int i=0;i<n;i++)</pre>
  {
    scanf("%d%d%d",&a[i].AT,&a[i].BT,&a[i].PT);
    temp[i]=a[i].BT;
  }
  a[9].PT=10000;
  for(t=0;count!=n;t++)
  {
    short_p=9;
    for(int i=0;i<n;i++)</pre>
```

```
if(a[short_p].PT>a[i].PT && a[i].AT<=t && a[i].BT>0)
    {
      short_p=i;
    }
  }
  a[short_p].BT=a[short_p].BT-1;
  if(a[short_p].BT==0)
  {
    count++;
    a[short_p].WT=t+1-a[short_p].AT-temp[short_p];
    a[short_p].TAT=t+1-a[short_p].AT;
    total_WT=total_WT+a[short_p].WT;
    total_TAT=total_TAT+a[short_p].TAT;
 }
Avg_WT=total_WT/n;
Avg_TAT=total_TAT/n;
printf("ID WT TAT\n");
for(int i=0;i<n;i++)
  printf("%d %d\t%d\n",i+1,a[i].WT,a[i].TAT);
```

}

{

}

```
printf("Avg waiting time of the process is %f\n",Avg_WT);
printf("Avg turn around time of the process is %f\n",Avg_TAT);
return 0;
}
Output:
```