5.program to implement CPU scheduling for shortest job first

```
#include<stdio.h>
int main()
  int bt[20],p[20],wt[20],tat[20],i,j,n,total=0,pos,temp;
  float avg wt, avg tat;
      p[i]=i+1;
               bt[j-1]=bt[j];
               bt[j]=t;
  avg_wt=(float)total/n;
  total=0;
```

```
tat[i]=bt[i]+wt[i];
  total+=tat[i];
  printf("\n p%d %d %d
%d",p[i],bt[i],wt[i],tat[i]);

}
avg_tat=(float)total/n;
printf("\n\nAverage waiting time=%f",avg_wt);
printf("\nAverage Turnaroun time=%f\n",avg_tat);
return(0);
}
```

```
ENTER number of process:3
Enter Burst time:
p1:10
p2:6
p3:8
/nProcess Burst time waiting time turnaround time
            6
                        0
  p1
                                             6
                        6
                                             14
            8
  p2
  p3
            10
                          14
                                               24
Average waiting time=6.666667
Average Turnaroun time=14.666667
```