```java
import java.util.Scanner;
import java.util.*;
public class SJF {
    public static void main(String args[])
    {
        Scanner in= new Scanner(System.in);
        System.out.println("enter the number of process: ");
        int num=in.nextInt();
        int Bur[]=new int[num];
        for(int i=0;i<num;i++)
        {
            System.out.println("enter the brust time for p" +(i+1)+" :");
            Bur[i]=in.nextInt();
        }
        Int wait[]=new int[num];
        int wait_time=0;
        int total=0;
        int min=0;
        System.out.println("process\t\t\tBurst time\t\t\t\twaiting time");
        do{
            for(int i=0;i<num;i++)
            {
                if(Bur[i]!=0)
                {
                    min=Bur[i];
                    break;

                }
```

```java
        }
        int tem=0;
        for(int j=0;j<num;j++)
        {
           if(Bur[j]!=0  && min>Bur[j])
           {
              min=Bur[j];
              tem=j;
           }
        }
        Bur[tem]=0;
        System.out.println("p"+(tem+1)+"\t\t\t"+min+"\t\t"+wait_time);
        wait[tem]=wait_time;
        wait_time+=min;
        total=0;
        for(int i=0;i<num;i++)
        {
           total+=Bur[i];
        }
   }
   while(total!=0);
   int total_wait=0;
      for(int i=0;i<num;i++)
      {
         total_wait+=wait[i];
      }

      System.out.println("Average time for wait_time is: " +"\t\t\t"+(total_wait/num) );
```

```
    }

}
```