

```

#include<stdio.h>
int main()
{
    int pid[4]={1,2,3,4};
    int a[4]={0,1,5,6};
    int b[4]={2,2,3,4};

    //sorting according to arrival time
    int temp;
    for(int i=0;i<4;i++)
    {
        for(int j=0;j<4-i-1;j++)
        {
            if(a[j]>a[j+1])
            {
                temp=a[j];
                a[j]=a[j+1];
                a[j+1]=temp;

                temp=b[j];
                b[j]=b[j+1];
                b[j+1]=temp;

                temp=pid[j];
                pid[j]=pid[j+1];
                pid[j+1]=temp;

            }

        }
    }

    //calculating the completion time

    int g[20];
    g[0]=0;

    for(int i=0;i<4;i++)
    {
        if(a[i]>g[i])
        {
            g[i+1]=a[i]+b[i];
        }
        else
        {
            g[i+1]=g[i]+b[i];
        }
    }

    //Printing the results

    printf("Process      Arrival time      Burst time      completion time

```

```
\n");  
  
    for(int i=0;i<4;i++)  
    {  
        printf("    %d    %d    %d  
%d\n",pid[i],a[i],b[i],g[i+1]);  
    }  
}
```