

```
#include<stdio.h>

#include<string.h>

void main()

{

    char p[10][5],temp[5];

    int i,j,pt[10],wt[10],totwt=0,pr[10],temp1,n;

    float avgwt;

    printf("Enter no of girls:");

    scanf("%d",&n);

    for(i=0;i<n;i++)

    {

        printf("enter girl %d name:",i+1);

        scanf("%s",&p[i]);

        printf("enter process time:");

        scanf("%d",&pt[i]);

        printf("enter no of gifts:");

        scanf("%d",&pr[i]);

    }

    for(i=0;i<n-1;i++)

    {

        for(j=i+1;j<n;j++)

        {
```

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        if(pr[i]>pr[j])
        {
            temp1=pr[i];
            pr[i]=pr[j];
            pr[j]=temp1;

            temp1=pt[i];
            pt[i]=pt[j];
            pt[j]=temp1;

            strcpy(temp,p[i]);
            strcpy(p[i],p[j]);
            strcpy(p[j],temp);
        }
    }

    wt[0]=0;
    for(i=1;i<n;i++)
    {
        wt[i]=wt[i-1]+pt[i-1];
        totwt=totwt+wt[i];
    }

    avgwt=(float)totwt/n;

    printf("G_name\t P_time\t No.Gifts\tW_time\n");

```

```
for(i=0;i<n;i++)  
{  
    printf(" %s\t %d\t %d\t \t%d\n",p[i],pt[i],pr[i],wt[i]);  
}  
  
printf("total waiting time=%d\navg waiting time=%f",totwt,avgwt);  
}
```