Ques. Ten students (a, b, c, d, e, f, g, h, I , j) are going to attend an event. There are lots of gift shops they all are going to the gift shops and randomly picking the gifts. After picking the gifts they are randomly arriving in the billing counter. The accountant gives the preference to that student who has maximum number of gifts

#include<stdio.h>

#include<stdlib.h>

#include<unistd.h>

void main()

{

int s[10],pr[10],i,j,n,z,bt[10],wt[10];

float average\_wt,total;

printf("Ques.Ten students (a,b,c,d,e,f,g,h,i,j) are going to attend an event. There are lots of gift shops, \n");

printf("they all are going to the gift shops and randomly picking the gifts. After picking the gifts they are randomly arriving in the billing counter.\n");

printf(" The accountant gives the preference to that student who has maximum number of gifts.");

printf("\n\nEnter Number of Students Came To The Gift Shop:");

scanf("%d",&n);

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

{

printf("\nS[%d]\n",i+1);

printf("Enter the Maximum Gifts Took By A Student: ");

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

printf("Billing Time Of Student: ");

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

s[i]=i+1;

}

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

{

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

{

if (pr[i]<pr[j])

{

z=pr[i];

pr[i]=pr[j];

pr[j]=z;

z=bt[i];

bt[i]=bt[j];

bt[j]=z;

z=s[i];

s[i]=s[j];

s[j]=z;

}

}

}

wt[0]=0;

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

{

wt[i]=0;

for(j=0;j<i;++j){

wt[i]=wt[i]+bt[j];

average\_wt=+wt[i];

}

}

total=(float)average\_wt/n;

printf("\nStudents\t\tMax-Gifts\t\tBilling-time\t\twaiting-time\t");

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

{

printf("\nS[%d]\t\t\t%d\t\t\t%d\t\t\t\t%d\n",s[i],pr[i],bt[i],wt[i]);

};

printf("\n\nAverage Waiting Time Of A Student=%f\n",total);

}