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| --- |
| #include<stdio.h> |
|  |  |
|  | struct student{ |
|  | int no\_of\_gift; |
|  | int at; |
|  | int id; |
|  | }s[10]; |
|  |  |
|  | void sort\_arival(){ |
|  | struct student a; |
|  | int min,pos; |
|  | for(int i=0;i<10;i++){ |
|  | min = s[i].at; |
|  | pos = i; |
|  | for(int j=i+1;j<10;j++){ |
|  | if(min>s[j].at){ |
|  | min = s[j].at; |
|  | pos = j; |
|  | } |
|  | } |
|  |  |
|  | if(i!=pos){ |
|  | a=s[i]; |
|  | s[i]=s[pos]; |
|  | s[pos]=a; |
|  | } |
|  | } |
|  | } |
|  |  |
|  | int main(){ |
|  | for(int i=0;i<10;i++){ |
|  | s[i].id=i+1; |
|  | printf("\nEnter the arrival time for s%d: ",i+1); |
|  | scanf("%d",&s[i].at); |
|  | printf("\nEnter the number of gift items for s%d: ",i+1); |
|  | scanf("%d",&s[i].no\_of\_gift); |
|  | } |
|  |  |
|  | sort\_arival(); |
|  |  |
|  | struct student m; |
|  | int pos; |
|  |  |
|  | for(int i=0;i<10;i++){ |
|  | m = s[i]; |
|  | pos = i; |
|  | for(int j=i+1;j<10;j++){ |
|  | if(m.no\_of\_gift<s[j].no\_of\_gift){ |
|  | m = s[j]; |
|  | pos = j; |
|  | } |
|  | } |
|  | s[pos]=s[i]; |
|  | s[i]=m; |
|  | printf("\nBill turn for student s%d having %d items",s[i].id,s[i].no\_of\_gift); |
|  | } |
|  |  |
|  | return 0; |
|  | } |