* Use of qsort() in c- sort students in class on the basis of marks

struct student

{

int marks;

int age;

};

int compare(const void \*p,const void \*q)

{

int l=(\*(struct student\*)p).marks;

int r=(\*(struct student\*)q).marks;

return l-r; //for ascending order

//if l-r <0 l will come before r in actual array;

//if l-r >0 r will come before l in actual array;

////if l-r ==0 position of l and r remains same;

}

int main()

{

struct student a[]={{90,15},{89,12},{94,10},{60,17}};

int n=sizeof(a)/sizeof(a[0]);

qsort(a,n,sizeof(a[0]),compare);

int i;

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

printf("%d\t",a[i].age);

}

//Output:- 10 12 15 17