Merging 2 Arrays

```
struct Array
    int A[10];
    int size;
    int length;
};
void Display(struct Array arr)
{
    int i;
    printf("\nElements are\n");
    for(i=0;i<arr.length;i++)</pre>
        printf("%d ",arr.A[i]);
}
struct Array* Merge(struct Array *arr1,struct Array *arr2)
    int i,j,k;
    i=j=k=0;
    struct Array *arr3=(struct Array *)malloc(sizeof(struct
Array));
    while(i<arr1->length && j<arr2->length)
    {
            if(arr1->A[i]<arr2->A[i])
                arr3->A[k++]=arr1->A[i++];
            else
                arr3->A[k++]=arr2->A[j++];
    for(;i<arr1->length;i++)
        arr3->A[k++]=arr1->A[i]:
    for(;j<arr2->length;j++)
        arr3->A[k++]=arr2->A[j];
    arr3->length=arr1->length+arr2->length;
    arr3->size=10;
    return arr3;
}
int main()
    struct Array arr1={{2,9,21,28,35},10,5};
    struct Array arr1={{2,3,16,18,28},10,5};
    struct Array *arr3;
```

```
arr3=Merge(&arr1,&arr2);
Display(*arr3);
return 0;
}
```