sum of two elements closest to zero

```
#include <stdio.h>
#include inits.h>
int swap(int *a, int *b)
    int temp = *a;
    *a = *b;
   *b = temp;
}
int partition(int * arr, int I, int r)
{
    int pivot = arr[r];
    int i = I-1;
   for(int j=l; j<r; j++)
        if(arr[j]<pivot)</pre>
            j++;
            swap(&arr[i],&arr[j]);
   swap(&arr[i+1],&arr[r]);
   return (i+1);
}
void qsort(int *arr, int I, int r)
{
    if(I<r)
        int p = partition(arr, I, r);
        qsort(arr, I, p-1);
        qsort(arr, p+1, r);
}
void sumClosetToZeroPair(int *arr, int size)
```

```
int curr_sum, closest_sum = INT_MAX, I_index=0, r_index=size-1,
min_l_index=0, min_r_index=size-1;
   while(l_index < r_index)
       curr_sum = arr[l_index] + arr[r_index];
       if(abs(curr sum)<abs(closest sum))</pre>
          closest sum = curr sum;
          min_l_index = l_index;
          min_r_index = r_index;
       if(curr_sum < 0)
        I_index ++;
       else
         r index --;
   printf("The pair whose sum is close to zero are %d, %d",
arr[min I index], arr[min r index]);
}
int main()
{
   int arr[] = \{0,59,-9,69,-79,84\};
   qsort(arr, 0, 5);
   sumClosetToZeroPair(arr,6);
   return 0;
}
```