AOA Lab Test -1          1BM19CS124

→ Deletion Sort          PRIYANSHU GUPTA

```c
# include <stdio.h>
# include <stdlib.h>
# include <time.h>


int main(){
int i,j ,count ,min , temp, k, largest,.
float start, end ;
printf (" How many numbers u are going to
enter ?: \n")
- scanf ("%d" &count);
int number [count].
printf (" Enter the elements of the array \n");
for (i=0; i<count; i++){
scanf ("%d", &number [i]);
}
printf (" Enter the kth largest element to
be found \n");
scanf ("%d" &k)
largest = count - k;
start = clock ();
for( i =0; i <count; i++){
min = i ;
```

```
for j = i+1 ; j < count; j++){
    if (numbers [min] > numbers [j]){
        min = j;
    }
}

temp = numbers [min];
numbers [min] = numbers [i];
numbers [i] = temp;
if (i == largest){
    printf("%d th largest program is %d\n"
    k, numbers [i]);
    break;
    }
}
end = clock();
printf("\n")
printf("\n Time date of want-%d numbe
is % deco ", count, (((double)(end - start))
        clock S_PER_SE());
return 0;
}
```