```
Name : Namour
 ADA
                             4-13
 Lab-Test-1
                             IBMIQCSOY 3
3) sost Selection Sort:
# include & stdio. h>
# include < time. h>
# include < como h7
# inelude cotalib. h7
void selection-sort (int arra, int n)
  for int nin =-1;
      for lint i=0; iz nel; iff)
        nun = arr [i];
        forcint j=0; j < n; j++)
    if Carrej3 > min)
             pos = 3;
               min = arr [j]
           temp = arrai];
arrai] = arrapos];
           arr [pos] = temp;
```

```
int main ()
  dock-t start, and;
   int arr [10000], size;
    pointf("Enter size \n");
    Slauf (" % d", Z size);
     forcint i=0; il size; i++)
        arreil = rand ();
        pointf("/d", arociz);
       dock - t start
       start = clock ();
      selection-sort (an, size);
and = clock ();
      printf ("Time taken to sort; " of", (double)
      (end-stent)/ (LOLKS-PER-SEC);
```

Modification 1 I void find kfn-largest (intarr [], intu, int *) fortint i 0; it the into pointf("y.d", arr [n-K=]; > find- kth = longest() should be called after selection sort.