```
1 Class Solution {
  2 public:
  3 static bool cmp(const string lhs,const string rhs){
  4 if(lhs.length()==rhs.length()){
  5 int i=0;
    while(i<lhs.length() && lhs[i]==rhs[i]){
     i++;
  8
     }
  9 return lhs[i]<rhs[i];</pre>
 10
 11 return lhs.length()<rhs.length();</pre>
 12 }
 13 string kthLargestNumber(vector& nums, int k) {
 14 sort(nums.begin(),nums.end(),cmp);
 15 int n=nums.size();
 16 return nums[n-k];
 17
     }
 18
     3:
Saved

✓ Testcase | >_ Test Result
              Case 2 +
   Case 1
 nums =
  ["2","21","12","1"]
 k =
  3
```

```
C:\Users\STUDENT\Desktop\week 7.exe
×
              109
110
                      d[i] = 0;
arr[i] = i+1;
printf(" %d ",arr[i]);
              111
112
              113
              114
115
              116
117
                       for(j=1;j<z;j++)
                      permutations(arr,d,num);
printf("\n");
} return 0; }
              118
119
              120
121
          Logs & others
         🖟 Code:Blocks X 🔍 Search results X 🥻 Cccc X 💆 Build log X 💠 Build messages X 📝 CppCheck/Vera++ X 📝 CppCheck/Vera++ messages X 📝 Cscope X 💆 Debugger X 📝 DoxyBlocks X 🖺 Fortran info X 🏗 Ck
```

```
{
printf(" %d ",arr[i]);
}
}
int factorial(int k)
{ int f = 1;
int i = 0;
for(i=1;i<k+1;i++)
{
f = f*1;
}
}
return f;
}
int main()
{
int num =0;
int i;
int j;
int z =0;
printf("Johnson trotter algorithm to find all permutations of given numbers \n");
printf("Enter the number\n");
scanf("%d",snum);
int arr[num],d[num];
z = factorial(num);
printf("total permutations = %d",z);
printf("\hall possible permutations are: \n");
for(i=0;i<num;i++)
{
d[i] = 0;
arr[i] = i+1;
printf("\n");
for(j=1;j<z;j++)
{
printf("\n");
for(j=1;j<z;j++)
{
printf("\n");
}
printf("\n");
}
return 0;
}</pre>
```

tor(1=0;1<num;1++)

```
finclude catdio.h>
finclude catdib.h>
int flag = 0 int
map(int *a.int *b)
int t = *q;
'b = t;
'b = t;
'i)
int search(int arr[], int num, int mobile)

it (arr[q] = mobile)
return q*i;
else {
flag**;

int flam Mobile(int arr[], int d[], int num)

int mobile = 0;
if (arr[a] = 0 && i = 0)

if (arr[a] = arr[a] = 0 && i = 0)

if (arr[a] = arr[a] = mobile;
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7 i++;
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9 return lhs[i]<rhs[i];</pre>
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12 }
13 string kthLargestNumber(vector& nums, int k) {
14 sort(nums.begin(),nums.end(),cmp);
15 int n=nums.size();
16 return nums[n-k];
17 }
18 }:
ved
                                                                                                                     Ln 12, Col 2
Testcase | >_ Test Result
            Case 2
                       Case 3 +
Case 1
nums =
["0","0"]
```