

Input:

```
Create [DataStructure_name] [DataStructure]

Add [DataStructure_name] [Content]

Length [DataStructure_name]

Size [DataStructure_name]

Get [DataStructure_name] [index]

GetNode [DataStructure_name] [index]

PrintOutList [DataStructure_name]

...
```

Output:

```
//if [DataStructure] is List

    //input: Length [DataStructure_name]: print how many Strings

    [String_num]

    //input: Size [DataStructure_name]

    List do not have method size

    // input: Get [DataStructure_name] [index]: print content at [index]

    [Content_index]

    // input: GetNode [DataStructure_name] [index]

    List do not have method getNode
```

```
//input: PrintOutList [DataStructure_name], print all contents
```

```
[Content_0]
```

```
[Content_1]
```

```
...
```

```
//if [DataStructure] is SkipList
```

```
//input: Length [DataStructure_name]
```

```
SkipList can not access length
```

```
//input: Size [DataStructure_name]: print how many SkipNode
```

```
[SkipNode_num]
```

```
// input: Get [DataStructure_name] [index]
```

```
SkipList do not have method get
```

```
// input: GetNode [DataStructure_name] [index] : print content at [index]
```

```
SkipNode:[Content_index]
```

```
//input: PrintOutList [DataStructure_name], print all contents
```

```
SkipNode:[Content_0]
```

```
SkipNode:[Content_1]
```

```
...
```

Comment:

[DataStructure] must be one of followings:

List

SkipList

You are asked to write a main function in Class Main

We'll test your program through "java Main inputFile"

e.g java Main sampleInput

You should read input from file.

And show output to standard output.

Please zip your source code and upload it.

The file name should be Team[ID].zip. e.g. Team3.zip

The folder structure should be:

unzip Team3.zip

=> [dir] Team3

=> Team3/*.java

sampleInput:

Create abc SkipList

```
Add abc a
Add abc b
Length abc
Size abc
Add abc c
Get abc 0
GetNode abc 0
PrintOutList abc
Create list List
Add list a
Add list b
Length list
Size list
Add list c
Get list 0
GetNode list 0
PrintOutList list
Add list d
PrintOutList list
GetNode list 3
Get list 3
```

sampleOutput:

```
SkipList can not access length
2
SkipList do not have method get
SkipNode:a
SkipNode:a
SkipNode:b
SkipNode:c
2
List do not have method size
a
List do not have method getNode
a
b
c
a
```

b

c

d

List do not have method getNode

d