**Conclusion**

1. **Points of strengths:**

* The user can make an object with any data type he wants (String, Integer, double...)
* The Stack class is inherited with Vector, so we can use all Vector public methods in it.

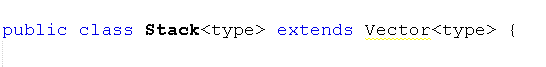


Figure 1 : class head

* In pop() method, if the user remove item from an empty stack the program will throw (Empty Stack Exception) error that help the user to recognize the error he made.

C:\Users\UpToDate\AppData\Local\Microsoft\Windows\INetCache\Content.Word\002.png

Figure : pop exception

* In peek() method, if the user tries to see the last element when the Stack is empty the program will throw (Empty Stack Exception) error that help the user to recognize the error he made.
* In sortAscending() method, we sort the stack with help of two extra stacks to allow us to keep the original one without modification.
* In LoadStack class is inherited with Stack class, so we can use all Stack public methods in it.
* In openfile() method, we try to open the file and if there an error (file name, Path of the file...) we catch the error with (FileNotFoundException) that tell the user that program could not open file.

1. **Points of weakness:**

* In sortAscending() method, we sort only numbers but if the user is dealing with stack of type like String the program will give him an error instead of sorting the data alphabetically.
* In loading file, the file should contain numbers only, if there any letters or symbols in the file there will be an error.
* In loading file from computer we can operate only with methods like [ getsize(),isEmpty(), sortAscending(), peek() ] and if we use pop() it doesn’t give any error but also didn’t remove any item, the same with push it doesn’t give any error but also didn’t add any item to the loaded stack.
* If we want to modify the loaded stack (push, pop), we have to write more methods that doesn’t required in out project.