Signature

Name:

**CSE102 Programming Languages II Quiz #6**

1. What is wrong with the following program?

**public** **static** **void** main(String[] args) {

Stack<String> stack = **new** Stack<>();

stack.push("item");

stack.pop("item");

}

1. A stack must be created with an initial capacity.
2. Identifier names cannot be the same as their type.
3. Pop method does not take any parameter.
4. Push method needs one more parameter.
5. What is wrong with the following program?

**public** **static** **void** main(String[] args) {

Stack<Character> st = **new** Stack<>();

st.push(**null**);

st.pop();

st.pop();

}

1. You cannot push null values to a character stack.
2. You must provide a parameter for pop method, because you must specify what you want to remove.
3. Push method needs to know position information, one more argument is needed.
4. You cannot pop an element from an empty stack.

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1. Suppose you have two stacks of strings, one of which is empty and the other is not. You want to transfer the content from one to other without changing the order of the elements. Write a function which performs this task. (You can assume that the first argument will always be the non-empty stack.)

**static** **void** stackTransfer(

Stack<String> s1,

Stack<String> s2)

{

Stack<String> temp = **new** Stack<>();

**while**(!s1.empty())

temp.push(s1.pop());

**while**(!temp.empty())

s2.push(temp.pop());

}

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