BALANCED PARANTHESES

We are given a parantheses string and our job is to determine if it is a valid parantheses string.

We use a stack to store all opening brackets and pop when a closing bracket appears. If the popped bracket does not correspond to the closing bracket, string is invalid.

Pseudocode :

```
balancedParantheses(String s) {
  Stack <char> st;
   for(int i = 0 ; i < s.length() ; i++) {
     if (s[i] == '{' || s[i] == '(' || s[i] ==
           '[') {
         st.push(s[i]);
     } else if(s[i] == '}') {
         char p = st.pop();
         if(p != '{') {
             return -1;
         }
     } else if (s[i] == ')') {
         char p = st.pop();
         if(p != ')') {
             return -1;
         }
     } else if (s[i] == ']') {
         char p = st.pop();
```

```
            if (p != ']') {
                return -1 ;
            }
        }
        return 1 ;
    }
```