Pentonix_Assessment_1_Explaination

The HashSet and Set classes from the Java standard library, which are used for managing sets of items without duplicates, are included in these import lines.

It defines a class called Solution. It has a function called lengthOfLongestSubstring that accepts an input string s.
The goal of this technique is to determine the longest substring that can be created from the input string s without using any repeated characters.

The length of the input string s is stored in n.
The maximum length of a valid substring is kept in the variable maxLength.

The characters in the current substring will be tracked using the set charSet without being repeated.
A pointer called left keeps track of the current substring's left border.