Java Program to find longest substring without repeating characters in a string.

**package**friday;

**import**java.util.LinkedHashMap;

**publicclass**MainClass

{

**staticvoid**longestSubstring(String inputString)

{

**char**[] charArray = inputString.toCharArray();

String longestSubstring = **null**;

**int**longestSubstringLength = 0;

LinkedHashMap<Character, Integer>charPosMap = **new**LinkedHashMap<Character, Integer>();

**for** (**int**i = 0; i<charArray.length; i++)

{

**char**ch = charArray[i];

**if**(!charPosMap.containsKey(ch))

{

charPosMap.put(ch, i);

}

**else**

{

i = charPosMap.get(ch);

charPosMap.clear();

}

**if**(charPosMap.size() >longestSubstringLength)

{

longestSubstringLength = charPosMap.size();

longestSubstring = charPosMap.keySet().toString();

}

}

System.***out***.println("Input String : "+inputString);

System.***out***.println("The longest substring : "+longestSubstring);

System.***out***.println("The longest Substring Length : "+longestSubstringLength);

}

**publicstaticvoid** main(String[] args)

{

*longestSubstring*("javaconceptoftheday");

System.***out***.println("==========================");

*longestSubstring*("thelongestsubstring");

}

}

OUTPUT:

