```
Java Program to find longest substring without repeating characters in a string.
packagefriday;
importjava.util.LinkedHashMap;
publicclassMainClass
staticvoidlongestSubstring(String inputString)
//Convert inputString to charArray
char[] charArray = inputString.toCharArray();
//Initialization
        String longestSubstring = null;
intlongestSubstringLength = 0;
//Creating LinkedHashMap with characters as keys and their position as values.
LinkedHashMap<Character, Integer>charPosMap = newLinkedHashMap<Character,</pre>
Integer>();
//Iterating through charArray
for (inti = 0; i<charArray.length; i++)</pre>
charch = charArray[i];
//If ch is not present in charPosMap, adding ch into charPosMap along with its
position
if(!charPosMap.containsKey(ch))
charPosMap.put(ch, i);
//If ch is already present in charPosMap, reposioning the cursor i to the position
of ch and clearing the charPosMap
else
i = charPosMap.get(ch);
charPosMap.clear();
//Updating longestSubstring and longestSubstringLength
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:

**Console !!

**Generated: MuniClass Stein Application(Cs/Program Fdes)Law/yet.8.0.22TdDm/grows-ene CP-May-2020, 454.36 PM/

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