class Solution {

public int lengthOfLongestSubstring(String s) {

int max\_length=0;

Map < Character , Integer> chars = new HashMap();

int start = 0;

int end = 0;

while(end < s.length())

{

char r = s.charAt(end);

chars.put(r, chars.getOrDefault(r,0)+1);

while(chars.get(r)>1){

char l = s.charAt(start);

chars.put(l, chars.get(l)-1);

start++;

}

max\_length= Math.max(max\_length, end-start+1);

end++;

}

return max\_length;

}

}