5)- Implement a program that uses a HashMap to count the occurrences of each character in a given string.

import java.util.HashMap;

import java.util.Map;

public class CharCount{

public static void main getCharCount (string name) {

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

char strArray[] = name.toCharArry();

for (char c : strArray)

{

if (charMap.containskey(c))

{

charMap.put(c, charMap.get(c)+1);

}

else {

charMap.put(c,1);

}

}

System.out.println (name+" : "+ charMap);

}

public static void main(string[] args)

{

getCharCount("test");

}

}

6- Write a Java program that reads an integer from the user. Use a custom exception class to throw an exception if the input is negative. Handle this exception appropriately.