

Highest Frequency Character

Easy

1. You are given a string str.
2. You are required to find the character with maximum frequency.

Constraints

0 < str.length() <= 100 There will be a single character with highest frequency

Format

Input

A string str

Output

The character with highest frequency

Example

Sample Input

zmszeqllxlvheqwrofgcuntypejcxovtaqbnqyqlmrwite

Sample Output

q

Solution

```
import java.util.*;

public class HighFreqChar {
    public static void main(String[] args) {
        // to get maximum frequency character using hashmap
        Scanner sc = new Scanner(System.in);
        String s = sc.nextLine();
        HashMap<Character, Integer> hm = new HashMap<Character, Integer>
();
        for (int i = 0; i < s.length(); i++) {
            char ch = s.charAt(i);
            if (hm.containsKey(ch)) {
                int val = hm.get(ch);
                hm.put(ch, val + 1); // repeat character
            } else {
                hm.put(ch, 1); // first time seeing this character
            }
        }
    }
}
```

```
        }
        // hm.put(ch, hm.getOrDefault(ch, 0) + 1);
    }

    char maxFreqChar = s.charAt(0);
    for (Character key : hm.keySet()) {
        if (hm.get(key) > hm.get(maxFreqChar)) {
            maxFreqChar = key; // update maxFreqChar if current key is
greater than maxFreqChar
        }
    }
    System.out.println(maxFreqChar);
    sc.close();
}
}
```

```
> java HighFreqChar.java
aaaabbbb
a
```

Dry Run

Character	Integer
a	4
b	3

So, we have 4 a's and 3 b's. Output is a because it has highest frequency.