Engineering Animuthyam

Java DSA – Course Part -18

HashMap Leetcode- Problems

Course Link:
https://www.youtube.com/playlist?list=PLjzLBp9HHZWhVXBSPS1VqxXXDoVk07gd9

Website Link:
https://www.vigneshreddyjulakanti.in/

Hello machas, Bagunnara.

Leetcode Problem – 1

2325. Decode the Message

https://leetcode.com/problems/decode-the-message/description/

```java
char ch=97;
System.out.println((char)97);
```

Leetcode Problem – 2

205. Isomorphic Strings

https://leetcode.com/problems/isomorphic-strings/description/

Solution:

Problem 1

```java
class Solution {
    public String decodeMessage(String key, String message) {
        HashMap<Character,Integer> hm=new HashMap<>();
        int cnt= 97;
        for(int i=0;i<key.length();i++){
            char ch = key.charAt(i);
            if(ch!=' ' && !hm.containsKey(ch)){
                hm.put(ch,cnt);
                cnt++;
            }
        }
        String ans ="";
        for(int i=0;i<message.length();i++){
            char ch= message.charAt(i);
            if (ch==' '){
                ans+=' ';
            }else{
            int tval= hm.get(ch);
            char val = (char)tval;
            ans += val;
            }
        }
        return ans;
    }
}
```

Problem – 2

```java
class Solution {
    public boolean isIsomorphic(String s, String t) {
        HashMap <Character,Character> hm = new HashMap<>();
        HashMap <Character,Character> rev = new HashMap<>();
        Boolean ans = true;
        for(int i=0;i<s.length();i++){
            char sch=s.charAt(i);
            char tch=t.charAt(i);
            if(!hm.containsKey(sch) && !rev.containsKey(tch)){
                hm.put(sch,tch);
                rev.put(tch,sch);
            }else if((hm.containsKey(sch) && hm.get(sch)!=tch) || (rev.containsKey(tch) && rev.get(tch)!=sch)){
                ans = false;
                break;
            }

        }
        return ans;
    }
}
```