

M.SNEHA
CSE

```
1 package lab1;
2
3 class Hillstations{
4     public void location() {
5         System.out.println("location");
6     }
7     public void famousfor() {}
8         System.out.println("famous");
9
10 }
11
12 }
13 class manali extends Hillstations{
14     public void location() {
15         System.out.println("manali");
16     }
17     public void famousfor() {
18         System.out.println("abc");
19     }
20 }
21
22 }
23 class mussoorie extends Hillstations{
24     public void location() {
25         System.out.println("mussoorie");
26     }
27     public void famousfor() {
28         System.out.println("def");
29 }
```

Problems @ Javadoc Declaration Console ×

<terminated> question1 [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (20)

location
famous
manali
abc
mussoorie
def
gulmarg
xyz

```
1 package lab1;
2
3 class Animal{
4     public void makesound() {
5         System.out.println("The animal makes a sound");
6     }
7 }
8
9
10 class Dog extends Animal{
11     public void makesound() {
12         System.out.println("The dog barks");
13     }
14 }
15
16
17 class Cat extends Animal{
18     public void makesound() {
19         System.out.println("The cat meow");
20     }
21 }
22
23
24 public class question2 {
25
26     public static void main(String[] args) {
27         Animal a = new Animal();
28         Dog d = new Dog();
29         Cat c = new Cat();
30         a.makesound();
31         d.makesound();
32         c.makesound();
33     }
34 }
35
36
37
```

Problems Javadoc Declaration Console x

<terminated> question2 [Java Application] C:\Program Files\Java\jdk-20\bin\java.exe
The animal makes a sound
The dog barks
The cat meow

Desktop - example-1\src\main\java\lab1\question3.java

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question3.java question3.java question3.java

```
1 package lab1;
2
3 public class question3 {
4
5     public static void main(String[] args) {
6         String test = "madam";
7         String reverseStr = "";
8
9         int strLength = test.length();
10
11         for (int i = (strLength - 1); i >= 0; --i) {
12             reverseStr = reverseStr + test.charAt(i);
13         }
14         if ((reverseStr).equals(test)) {
15             System.out.println("madam is palindrome");
16         }
17         else {
18             System.out.println("madam is not palindrome");
19         }
20     }
21 }
22
23 }
24
```

Problems Javadoc Declaration Console

<terminated> question3 [Java Application] C:\Program Files\Java\jdk-20\bin\java.exe
madam is palindrome

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question1.java question2.java question3.java question4.java X

```
1 package test;
2
3 import java.util.Scanner;
4
5 public class question4 {
6     public static void main(String[] args) {
7         Scanner kb = new Scanner(System.in);
8         String word = "";
9
10        System.out.println("Enter a word: ");
11        word = kb.nextLine();
12
13        uniqueCharacters(word);
14    }
15
16    public static void uniqueCharacters(String test){
17        String temp = "";
18        for (int i = 0; i < test.length(); i++){
19            char current = test.charAt(i);
20            if (temp.indexOf(current) < 0){
21                temp = temp + current;
22            } else {
23                temp = temp.replace(String.valueOf(current), "");
24            }
25        }
26
27        System.out.println(temp + " ");
28    }
29 }
```

Problems Javadoc Declaration Console X

<terminated> question4 [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe

Enter a word:

java
h v I