Strings in Java 2

Q1. Write a simple program to take input from the user?

Ans:

```java
/* Write a simple program to take input from the user */
import java.util.*;
class Q1 {
    Run | Debug
    public static void main(String[] args) {
        System.out.println("Enter Your Name : ");
        Scanner sc = new Scanner(System.in);
        String name = sc.nextLine();
        System.out.println("Your Name is : " + name);
    }
}
```

```
PROBLEMS 1    OUTPUT    DEBUG CONSOLE    TERMINAL

abc@06c3aedc3729:~/workspace$  /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -cp /config/data/User/workspaceStorage/13e66190/redhat
.java/jdt_ws/workspace_41b14c37/bin Q1
Enter Your Name :
Saptarshi
Your Name is : Saptarshi
abc@06c3aedc3729:~/workspace$
```

Q2. How do you concatenate two strings in java? Give an example?

Ans:

```java
public class Q2 {
    Run | Debug
    public static void main(String[] args) {
        String FirstName = "Saptarshi";
        String LastName = " Banerjee";
        String FullName = FirstName + LastName;
        System.out.println(FullName);
    }
}
```

```
PROBLEMS 1    OUTPUT    DEBUG CONSOLE    TERMINAL

abc@06c3aedc3729:~/workspace$  /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -cp /config/data/User/workspaceStorage/13e66190/redhat
.java/jdt_ws/workspace_41b14c37/bin Q2
Saptarshi Banerjee
abc@06c3aedc3729:~/workspace$
```

Q3. How do you find the length of a string in java, Example?
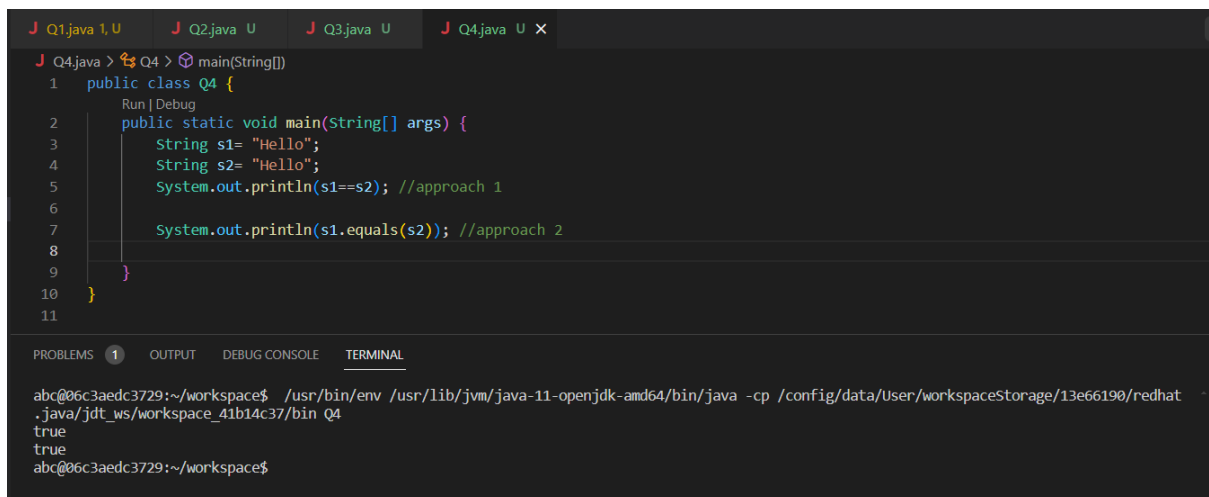
Ans:

```
public class Q3 {
    Run | Debug
    public static void main(String[] args) {
        String name = "Saptarshi";
        int StringLength = name.length();
        System.out.println("String : "+name);
        System.out.println("Length : "+StringLength);
    }
}
```

```
PROBLEMS 1    OUTPUT    DEBUG CONSOLE    TERMINAL

abc@06c3aedc3729:~/workspace$  /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -cp /config/data/User/workspaceStorage/13e66190/redhat
.java/jdt_ws/workspace_41b14c37/bin Q3
String : Saptarshi
Length : 9
abc@06c3aedc3729:~/workspace$
```

Q4. How do you compare two string in java? Give an Example?

Ans:

```
public class Q4 {
    Run | Debug
    public static void main(String[] args) {
        String s1= "Hello";
        String s2= "Hello";
        System.out.println(s1==s2); //approach 1

        System.out.println(s1.equals(s2)); //approach 2

    }
}
```

```
PROBLEMS 1    OUTPUT    DEBUG CONSOLE    TERMINAL

abc@06c3aedc3729:~/workspace$  /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -cp /config/data/User/workspaceStorage/13e66190/redhat
.java/jdt_ws/workspace_41b14c37/bin Q4
true
true
abc@06c3aedc3729:~/workspace$
```

Q5. Write a program to find the length of string "refrigerator".

Ans:

```
J Q1.java 1, U      J Q2.java U      J Q3.java U      J Q4.java U      J Q5.java U X

J Q5.java > 🔩 Q5 > ⬡ main(String[])
  1    public class Q5 {
           Run | Debug
  2        public static void main(String[] args) {
  3            String s1 = "refrigerator";
  4            int len = s1.length();
  5 💡        System.out.println("the length of "+s1+" : "+ len);
  6        }
  7    }
  8

PROBLEMS 1    OUTPUT    DEBUG CONSOLE    TERMINAL

abc@06c3aedc3729:~/workspace$  /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -cp /config/data/User/workspaceStorage/13e66190/redhat
.java/jdt_ws/workspace_41b14c37/bin Q5
the length of refrigerator : 12
abc@06c3aedc3729:~/workspace$ ▌
```

Q6. Write a program to check if the letter 'e' is present in the word 'Umbrella'?

Ans:

```
J Q1.java 1, U      J Q2.java U      J Q3.java U      J Q4.java U      J Q5.java U      J Q6.java U X

J Q6.java > 🔩 Q6 > ⬡ main(String[])
  1    public class Q6 {
           Run | Debug
  2        public static void main(String[] args) {
  3            String s = "Umbrella";
  4            boolean flag = false;
  5            for (int i = 0; i < s.length(); i++) {
  6
  7
  8            if (s.charAt(i)=='e') {
  9                flag=true;
 10                break;
 11            }
 12        }
 13 💡    System.out.println(flag);
 14
 15        }
 16    }
 17

PROBLEMS 1    OUTPUT    DEBUG CONSOLE    TERMINAL

abc@06c3aedc3729:~/workspace$  /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -cp /config/data/User/workspaceStorage/13e66190/redhat
.java/jdt_ws/workspace_41b14c37/bin Q6
true
abc@06c3aedc3729:~/workspace$
```