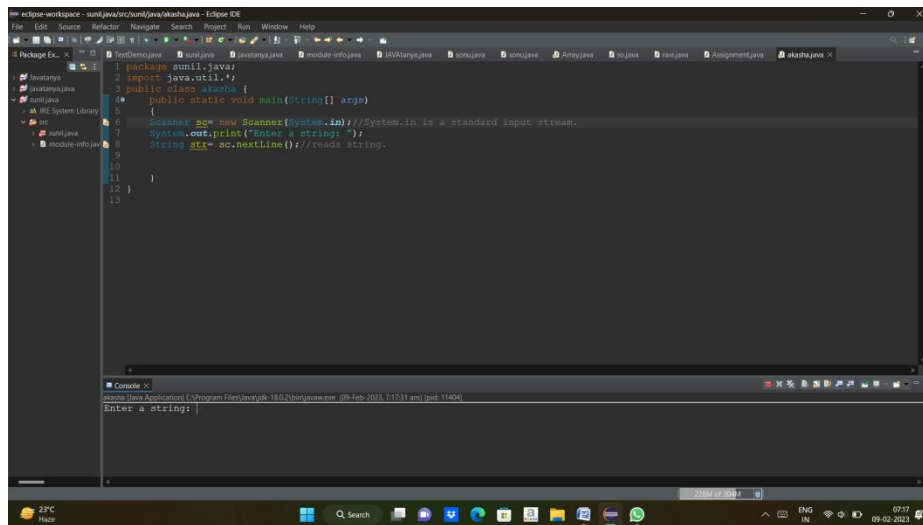


Question 1 = Write a simple program to take input from user.

Answer =



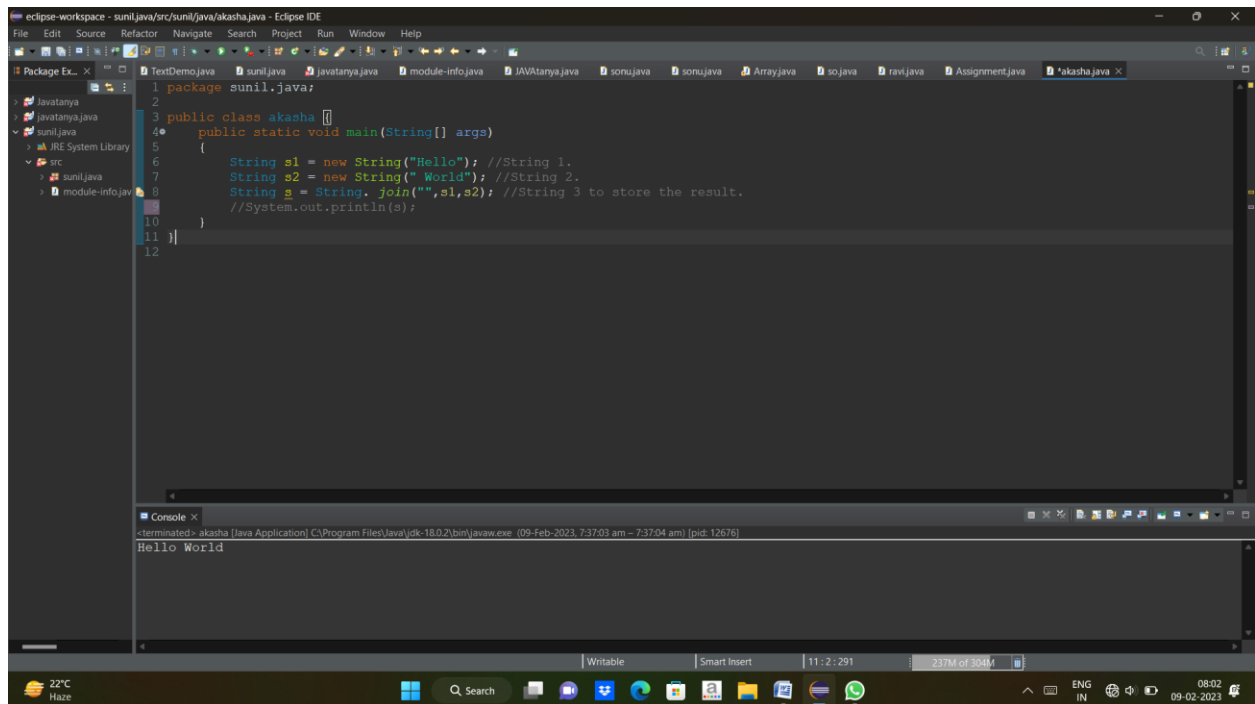
The screenshot shows the Eclipse IDE with a Java project named 'sunil.java'. The package is 'sunil.java'. The code in 'akasha.java' is as follows:

```
1 package sunil.java;
2 import java.util.*;
3 public class akasha {
4     public static void main(String[] args)
5     {
6         Scanner sc = new Scanner(System.in); //System.in is a standard input stream.
7         System.out.print("Enter a string: ");
8         String str = sc.nextLine(); //reads string.
9     }
10 }
11
12
13
```

The console output shows the program running and prompting the user to enter a string.

Question 2 = How do you concatenate two strings in java? Give an example.

Answer =



The screenshot shows the Eclipse IDE with a Java project named 'sunil.java'. The package is 'sunil.java'. The code in 'akasha.java' is as follows:

```
1 package sunil.java;
2
3 public class akasha {
4     public static void main(String[] args)
5     {
6         String s1 = new String("Hello"); //String 1.
7         String s2 = new String(" World"); //String 2.
8         String s = String.join("", s1, s2); //String 3 to store the result.
9         //System.out.println(s);
10    }
11 }
12
```

The console output shows the program running and printing 'Hello World'.

Question 3 = How do you find the length of a string in java Explain with an Example?

Answer = Declare a variable of type String.

Initialize the String variable to a non-null value.

Call the Java String length() method.

Hold the value of the String length in a variable for future use.

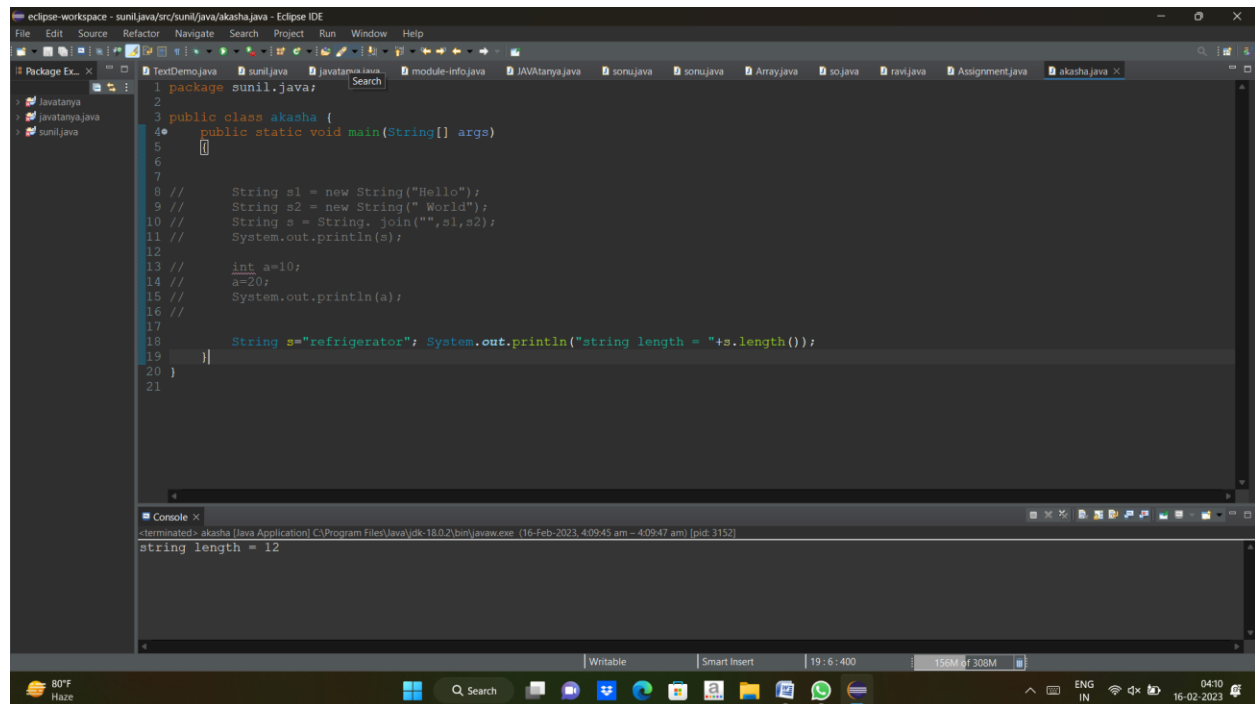
Question 4 = How do you compare two string in Java? Give an Example.

Answer = Compare two strings

We simply use the equal to operator (==) to compare the two strings, which compares the value Bold to Bold and prints Equal.

Question 5 = Write a program to find the length of the String "refrigerator".

Answer =

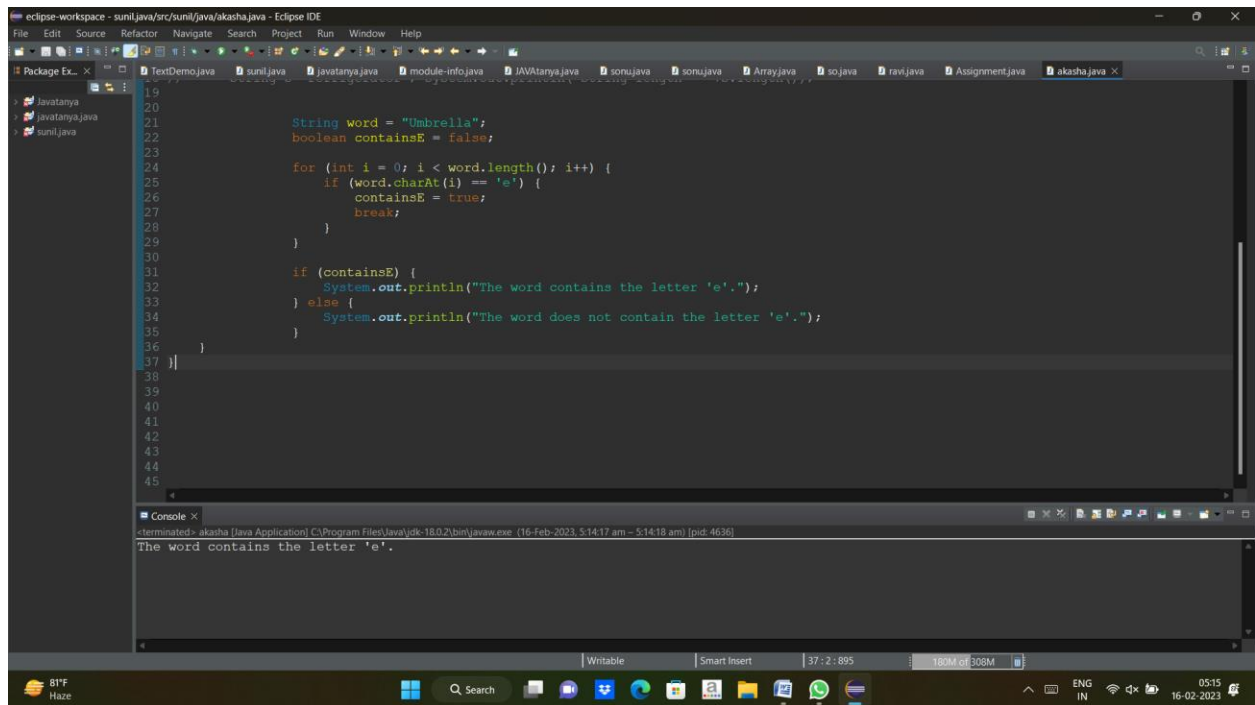
The screenshot shows the Eclipse IDE interface. The main editor window displays a Java file named 'sunil.java' with the following code:

```
1 package sunil.java;
2
3 public class akasha {
4     public static void main(String[] args)
5     {
6
7
8         // String s1 = new String("Hello");
9         // String s2 = new String(" World");
10        // String s = String.join("",s1,s2);
11        // System.out.println(s);
12
13        // int a=10;
14        // a=20;
15        // System.out.println(a);
16        //
17
18        String s="refrigerator"; System.out.println("string length = "+s.length());
19    }
20 }
21
```

The 'Console' window at the bottom shows the output of the program: 'string length = 12'. The status bar at the bottom indicates the system is at 80°F, 16-Feb-2023, 04:10.

Question 6 = Write a program to check if the letter 'e' is present in the word 'umbrella'.

Answer =



```
eclipse-workspace - sunil.java/src/sunil.java/akasha.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer: javatanya, javatanya.java, sunil.java
akasha.java
19
20
21 String word = "Umbrella";
22 boolean containsE = false;
23
24 for (int i = 0; i < word.length(); i++) {
25     if (word.charAt(i) == 'e') {
26         containsE = true;
27         break;
28     }
29 }
30
31 if (containsE) {
32     System.out.println("The word contains the letter 'e'.");
33 } else {
34     System.out.println("The word does not contain the letter 'e'.");
35 }
36
37 }
38
39
40
41
42
43
44
45

Console:
<terminated> akasha [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe (16-Feb-2023, 5:14:18 am - 5:14:18 am) [pid: 4636]
The word contains the letter 'e'.
```

Question 7 = Write a program to delete all consonants from the string

“Hello have a good day”.

Answer =

```
import java.util.Scanner;
```

```
class delete
```

```
{
```

```
    public static void main(String args[])
```

```
    {
```

```
        String s;
```

```
        int j=0;
```

```
        System.out.println("Enter a string");
```

```
        Scanner so=new Scanner(System.in);
```

```
        s= so.nextLine();
```

```
        char ch[]=new char[20];
```

```
for(int i=0;i<s.length();i++)

{

    if(s.charAt(i)=='a' || s.charAt(i)=='A' || s.charAt(i)=='e' || s.charAt(i)=='E' || s.charAt(i)=='i' ||
s.charAt(i)=='l' || s.charAt(i)=='o' || s.charAt(i)=='O' || s.charAt(i)=='U' || s.charAt(i)=='u')

    {

        ch[j++]=s.charAt(i);

    }

    else

    {

        continue;

    }

}

for(int i=0;i<j;i++)

{

    System.out.print(ch[i]);

}

System.out.println();

}

}
```