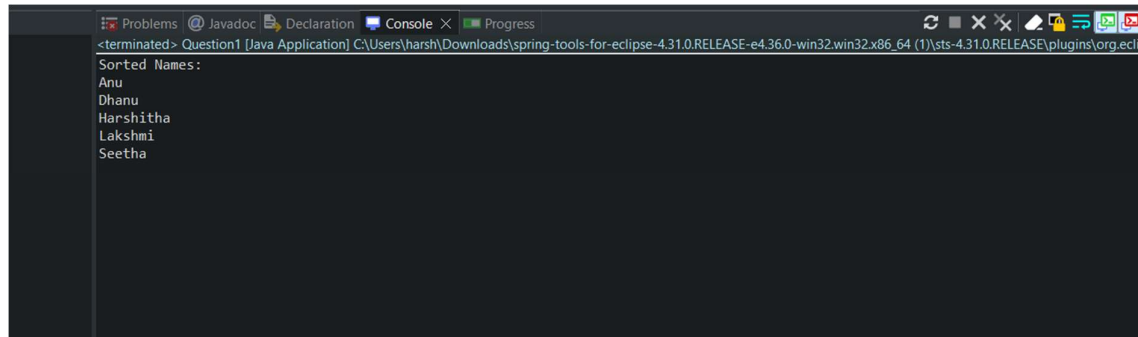


# JAVA 8 FEATURES ASSIGNMENT

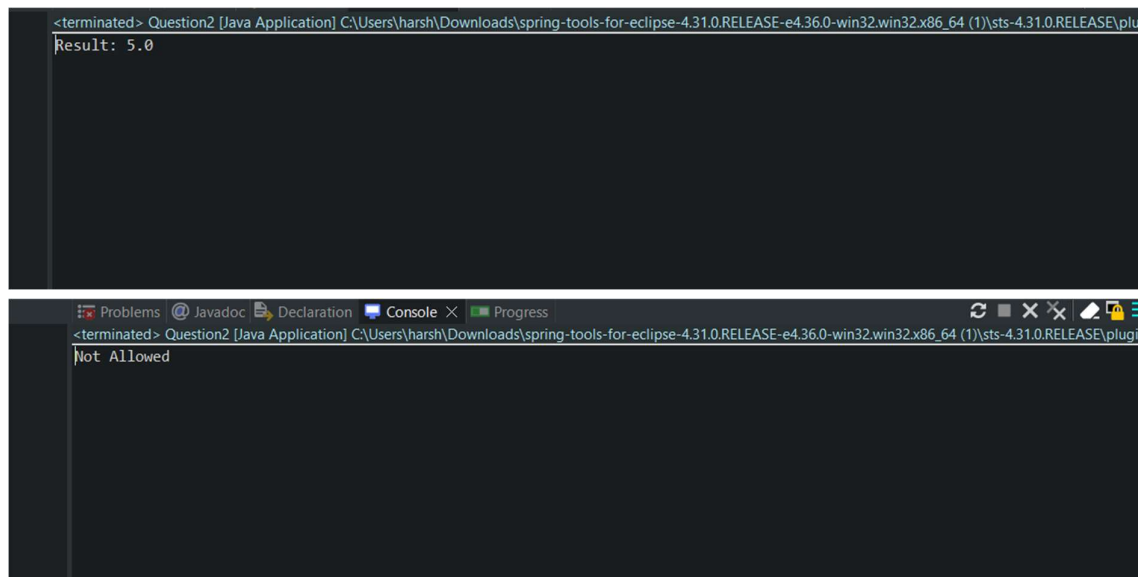
## Question1



The screenshot shows the Eclipse IDE's console window. The title bar includes tabs for Problems, Javadoc, Declaration, Console, and Progress. The console output displays the text: <terminated> Question1 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86\_64 (1)\sts-4.31.0.RELEASE\plugins\org.ecl. Below this, it lists 'Sorted Names:' followed by a list of names: Anu, Dhanu, Harshitha, Lakshmi, and Seetha.

```
<terminated> Question1 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.31.0.RELEASE\plugins\org.ecl  
Sorted Names:  
Anu  
Dhanu  
Harshitha  
Lakshmi  
Seetha
```

## Question2

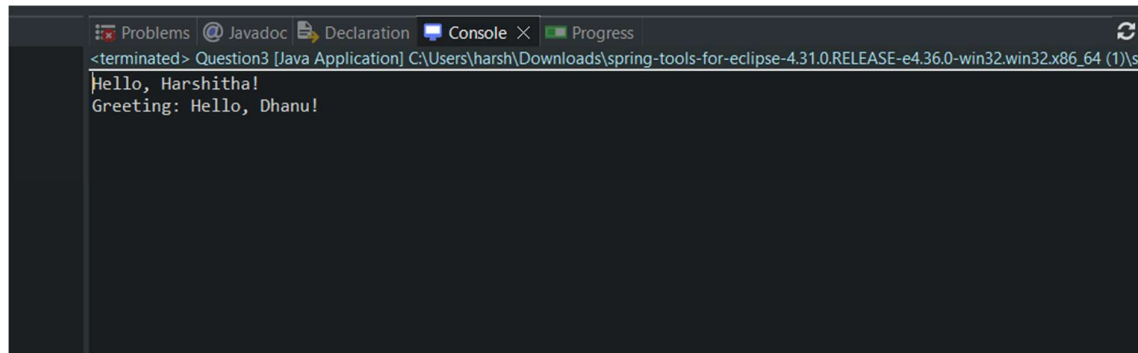


The first screenshot shows the Eclipse IDE console with the output: <terminated> Question2 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86\_64 (1)\sts-4.31.0.RELEASE\plu, followed by 'Result: 5.0'. The second screenshot shows the same IDE with the output: <terminated> Question2 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86\_64 (1)\sts-4.31.0.RELEASE\plu, followed by 'Not Allowed'.

```
<terminated> Question2 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.31.0.RELEASE\plu  
Result: 5.0
```

```
<terminated> Question2 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.31.0.RELEASE\plu  
Not Allowed
```

## Question3



The screenshot shows the Eclipse IDE console with the output: <terminated> Question3 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86\_64 (1)\s. Below this, it displays two lines of text: 'Hello, Harshitha!' and 'Greeting: Hello, Dhanu!'.

```
<terminated> Question3 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\s  
Hello, Harshitha!  
Greeting: Hello, Dhanu!
```

## Question4

```
Problems Javadoc Declaration Console X Progress
<terminated> Question4 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.31.0.RELEASE\plugins\
2 raised to the power 3 is: 8
This operation calculates power using base and exponent.
```

## Question5

```
Problems Javadoc Declaration Console X Progress
<terminated> Question5 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.31.0.RELEASE\plugins\
Names starting with 'A':
Anu
Abhi
Anna
```

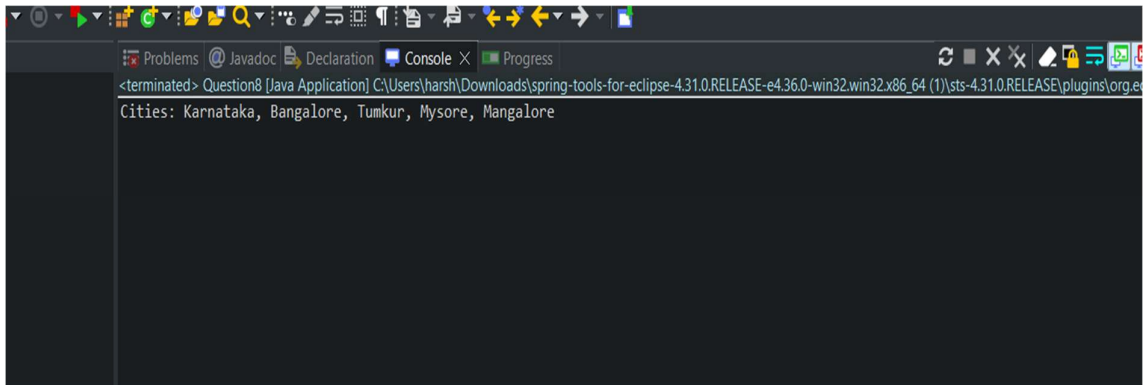
## Question6

```
New Java Package Javadoc Declaration Console X Progress
<terminated> Question6 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.31.0.RELEASE\plugins\
Number of names longer than 5 characters: 2
```

## Question7

```
Problems Javadoc Declaration Console X Progress
<terminated> Question7 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.31.0.RELEASE\plugins\
Even Numbers:
2
4
6
8
10
```

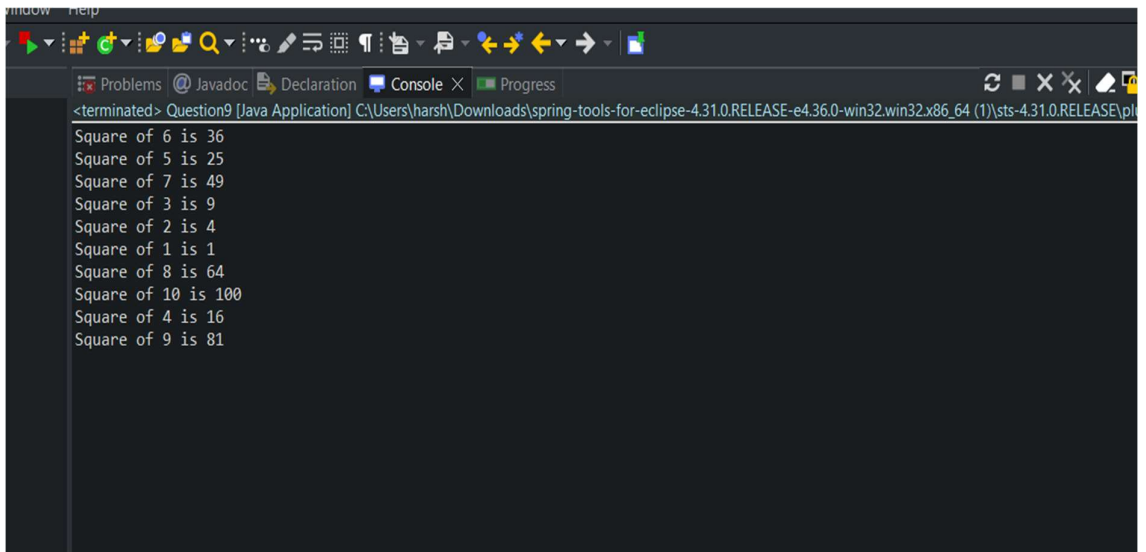
## Question8



The screenshot shows the Eclipse IDE's console window. The title bar indicates the application is "Question8 [Java Application]". The console output shows the program has terminated and displays the following text:

```
<terminated> Question8 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.31.0.RELEASE\plugins\org.e
Cities: Karnataka, Bangalore, Tumkur, Mysore, Mangalore
```

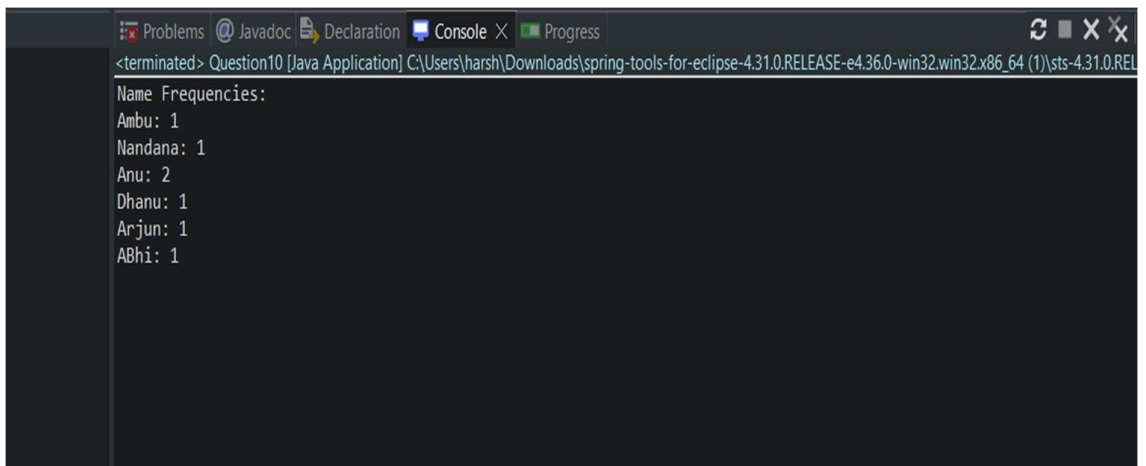
## Question9



The screenshot shows the Eclipse IDE's console window. The title bar indicates the application is "Question9 [Java Application]". The console output shows the program has terminated and displays the following text:

```
<terminated> Question9 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.31.0.RELEASE\pl
Square of 6 is 36
Square of 5 is 25
Square of 7 is 49
Square of 3 is 9
Square of 2 is 4
Square of 1 is 1
Square of 8 is 64
Square of 10 is 100
Square of 4 is 16
Square of 9 is 81
```

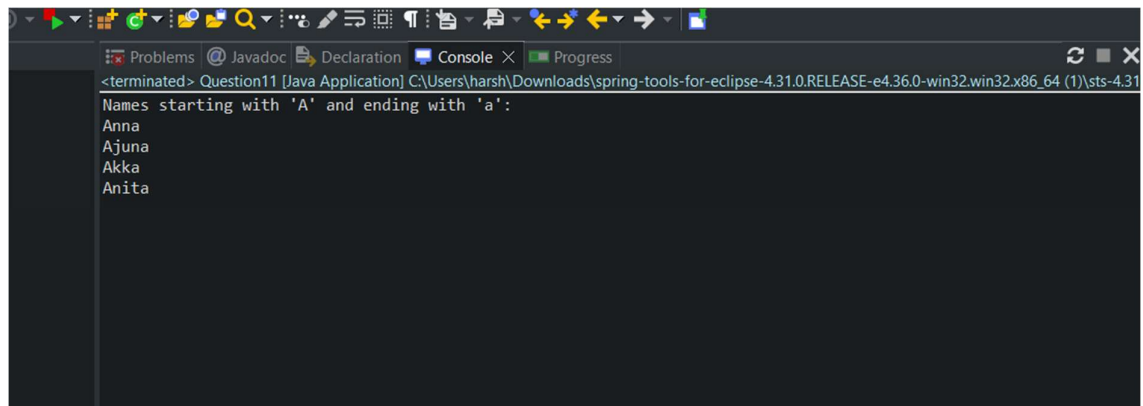
## Question10



The screenshot shows the Eclipse IDE's console window. The title bar indicates the application is "Question10 [Java Application]". The console output shows the program has terminated and displays the following text:

```
<terminated> Question10 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.31.0.REL
Name Frequencies:
Ambu: 1
Nandana: 1
Anu: 2
Dhanu: 1
Arjun: 1
ABhi: 1
```

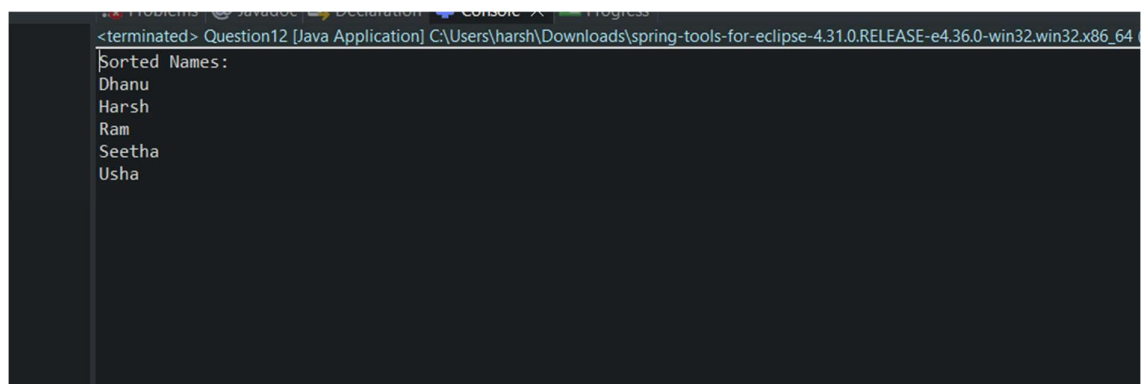
## Question11



The screenshot shows the Eclipse IDE's console window. The title bar indicates the application is 'Question11 [Java Application]' located at 'C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86\_64 (1)\sts-4.31'. The console output displays the prompt 'Names starting with 'A' and ending with 'a':' followed by a list of names: Anna, Ajuna, Akka, and Anita.

```
<terminated> Question11 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.31
Names starting with 'A' and ending with 'a':
Anna
Ajuna
Akka
Anita
```

## Question12



The screenshot shows the Eclipse IDE's console window. The title bar indicates the application is 'Question12 [Java Application]' located at 'C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86\_64 (1)\sts-4.31'. The console output displays the prompt 'Sorted Names:' followed by a list of names: Dhanu, Harsh, Ram, Seetha, and Usha.

```
<terminated> Question12 [Java Application] C:\Users\harsh\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64 (1)\sts-4.31
Sorted Names:
Dhanu
Harsh
Ram
Seetha
Usha
```