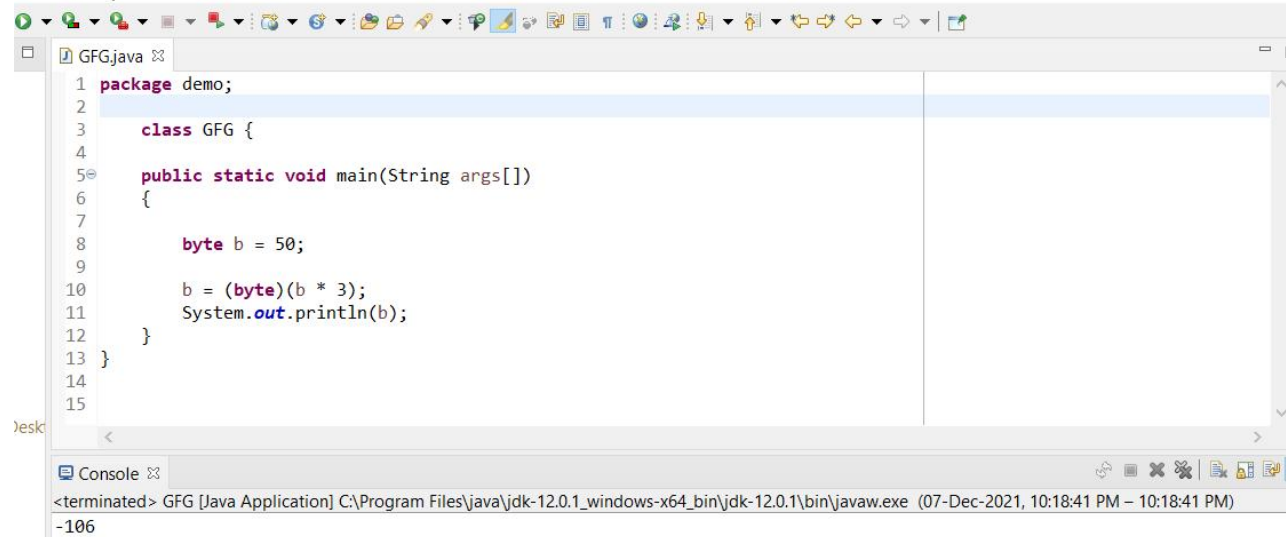


Window Help

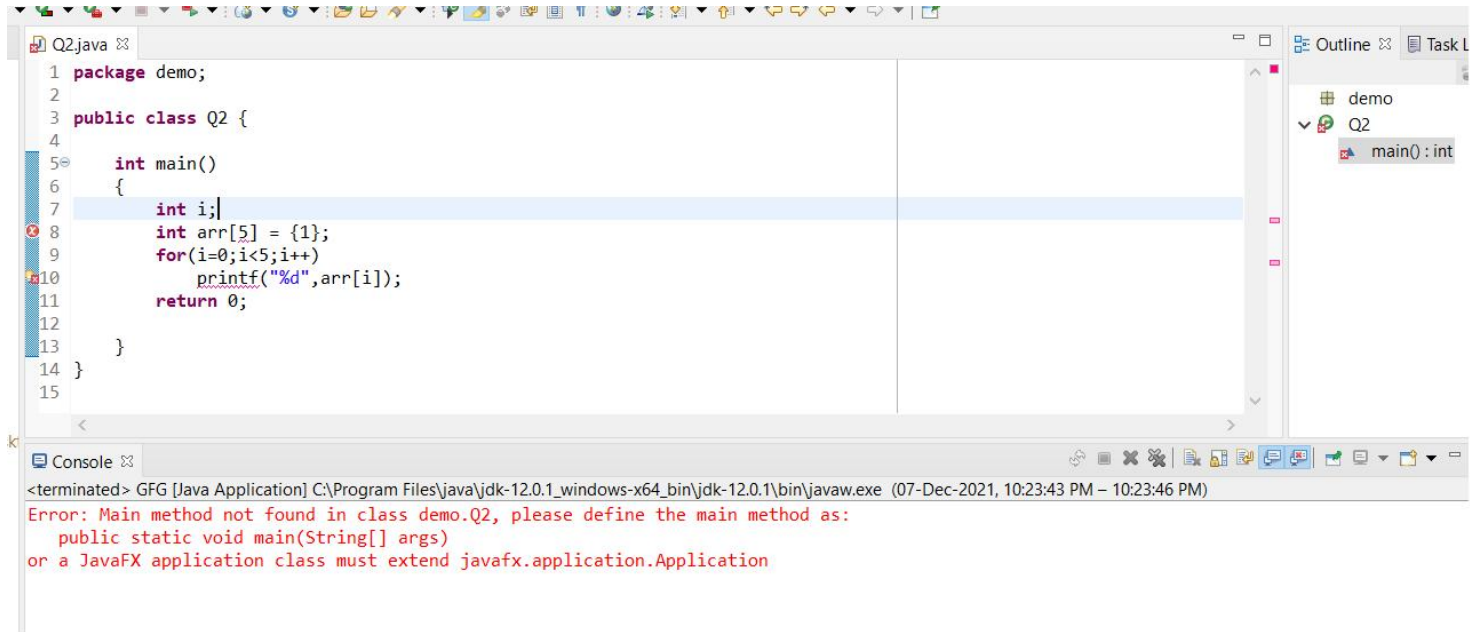


The screenshot shows an IDE window titled 'GFG.java'. The code is as follows:

```
1 package demo;
2
3 class GFG {
4
5     public static void main(String args[])
6     {
7
8         byte b = 50;
9
10        b = (byte)(b * 3);
11        System.out.println(b);
12    }
13 }
14
15
```

Below the code editor is a console window titled 'Console'. It displays the following output:

```
<terminated> GFG [Java Application] C:\Program Files\java\jdk-12.0.1_windows-x64_bin\jdk-12.0.1\bin\javaw.exe (07-Dec-2021, 10:18:41 PM - 10:18:41 PM)
-106
```



The screenshot shows an IDE window with a Java file named Q3.java. The code defines a package 'demo' and a public class 'Q3'. Inside 'Q3', there is a 'main()' method. The method contains a 2D array 'a' with values {{1,2},{3,4}}, two integer variables 'i' and 'j', and two nested 'for' loops. The inner loop uses 'printf' to print the value at 'a[i][j]'. The method returns 0. The IDE's console at the bottom shows a 'terminated' status and a red error message: 'Error: Main method not found in class demo.Q3, please define the main method as: public static void main(String[] args) or a JavaFX application class must extend javafx.application.Application'. The error message is displayed in red text.

```
1 package demo;
2
3 public class Q3 {
4     int main()
5     {
6         int a[][] = {{1,2},{3,4}};
7         int i, j;
8         for (i = 0; i < 2; i++)
9             for (j = 0; j < 2; j++)
10                printf("%d ", a[i][j]);
11         return 0;
12     }
13 }
14 }
```

Desk Console

<terminated> GFG [Java Application] C:\Program Files\java\jdk-12.0.1_windows-x64_bin\jdk-12.0.1\bin\javaw.exe (07-Dec-2021, 10:25:12 PM – 10:25:14 PM)

Error: Main method not found in class demo.Q3, please define the main method as:
public static void main(String[] args)
or a JavaFX application class must extend javafx.application.Application

File Edit View Run Window Help

```
Q4.java
1 package demo;
2
3 import java.util.*;
4 public class Q4 {
5     public static void main(String[] args){
6
7         int n = 5;
8         ArrayList<Integer> arrli = new ArrayList<Integer>(n); //Array arrli is created
9         for (int i = 1; i <= n; i++) //Checking the statement
10             arrli.add(i); //Add value according to for loop
11         System.out.println(arrli); // print the Array
12         arrli.remove(3); //remove the value from the 3rd index i.e 4.
13         System.out.println(arrli); //print the value
14         for (int i = 0; i < arrli.size(); i++) // get the values in the array using arrli.get
15             System.out.print(arrli.get(i) + " ");
16     }
17 }
18
```

Console

```
<terminated> Q4 [Java Application] C:\Program Files\java\jdk-12.0.1_windows-x64_bin\jdk-12.0.1\bin\javaw.exe (07-Dec-2021, 10:26:29 PM - 10:26:31 PM)
[1, 2, 3, 4, 5]
[1, 2, 3, 5]
1 2 3 5
```

The image shows an IDE window with two tabs: Q4.java and Q5.java. The Q5.java tab is active, displaying the following Java code:

```
1 package demo;
2
3 import java.util.*;
4 public class Q5 {
5     public static void main(String args[]){
6         ArrayList<String> al = new ArrayList<>();
7
8         al.add("Geeks"); //add the Geeks in the array al
9         al.add("Geeks"); //add the Geeks in the array al
10        al.add(1, "For"); // add for at index 1 in the ARRAY
11        System.out.println(al);
12    }
13
14 }
```

The code is syntactically incorrect due to the use of an integer index (1) in the `add` method. The IDE's Outline view on the right shows a package 'demo' containing the class 'Q5'. Below the code editor, the Console window displays the output of the program:

```
<terminated> Q5 [Java Application] C:\Program Files\java\jdk-12.0.1_windows-x64_bin\jdk-12.0.1\bin\javaw.exe (07-Dec-2021, 10:27:53 PM – 10:27:55 PM)
[Geeks, For, Geeks]
```