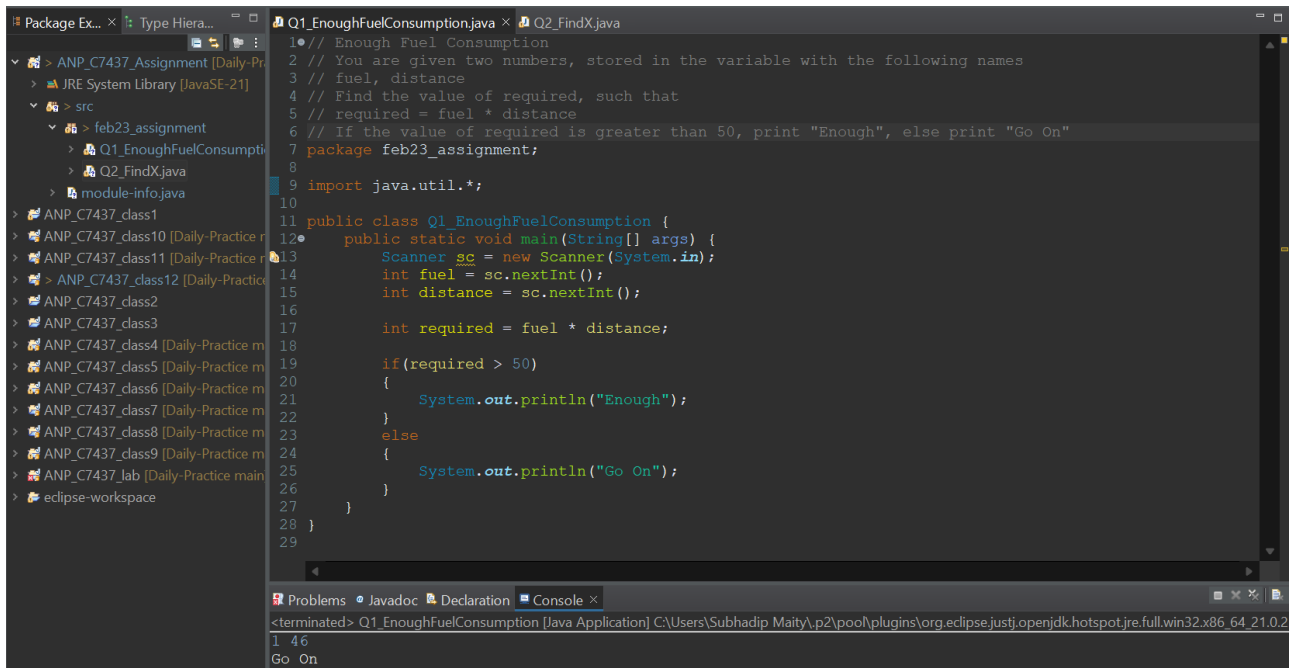


Q1. Enough Fuel Consumption

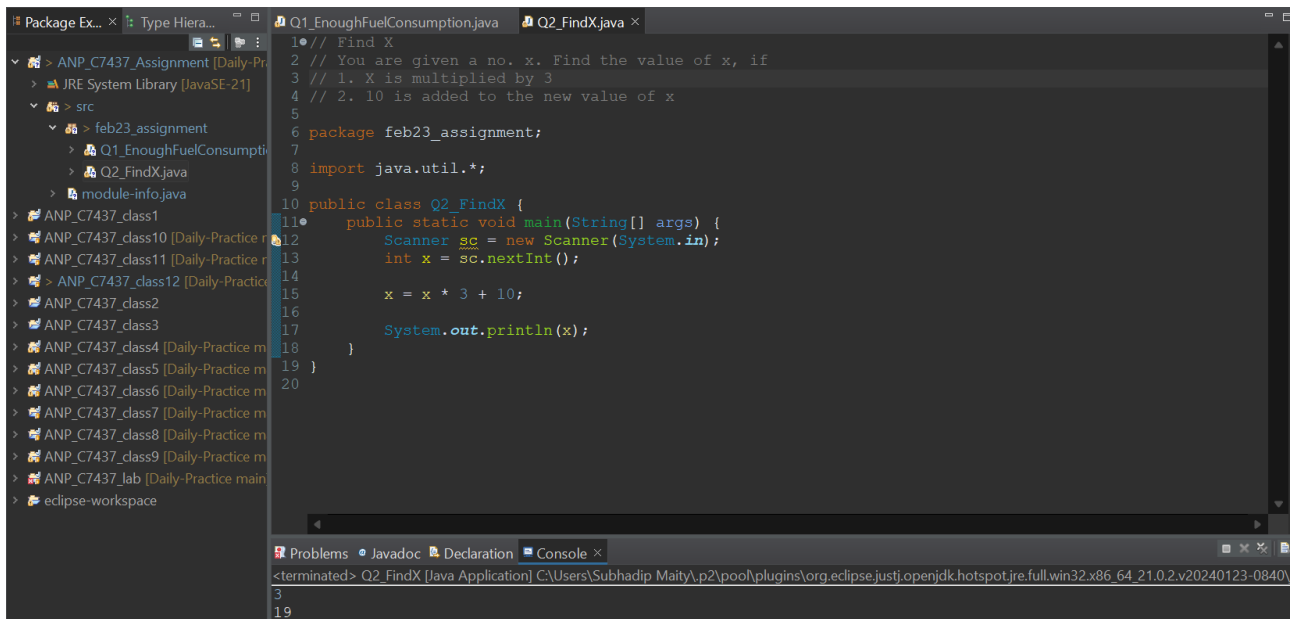


The screenshot shows the Eclipse IDE with the following components:

- Package Explorer:** Displays the project structure, including the package `feb23_assignment` and the class `Q1_EnoughFuelConsumption`.
- Code Editor:** Contains the source code for `Q1_EnoughFuelConsumption.java`. The code is as follows:

```
1 // Enough Fuel Consumption
2 // You are given two numbers, stored in the variable with the following names
3 // fuel, distance
4 // Find the value of required, such that
5 // required = fuel * distance
6 // If the value of required is greater than 50, print "Enough", else print "Go On"
7 package feb23_assignment;
8
9 import java.util.*;
10
11 public class Q1_EnoughFuelConsumption {
12     public static void main(String[] args) {
13         Scanner sc = new Scanner(System.in);
14         int fuel = sc.nextInt();
15         int distance = sc.nextInt();
16
17         int required = fuel * distance;
18
19         if(required > 50)
20         {
21             System.out.println("Enough");
22         }
23         else
24         {
25             System.out.println("Go On");
26         }
27     }
28 }
29
```
- Console:** Shows the output of the program, which is `Go On`.

Q2. Find X

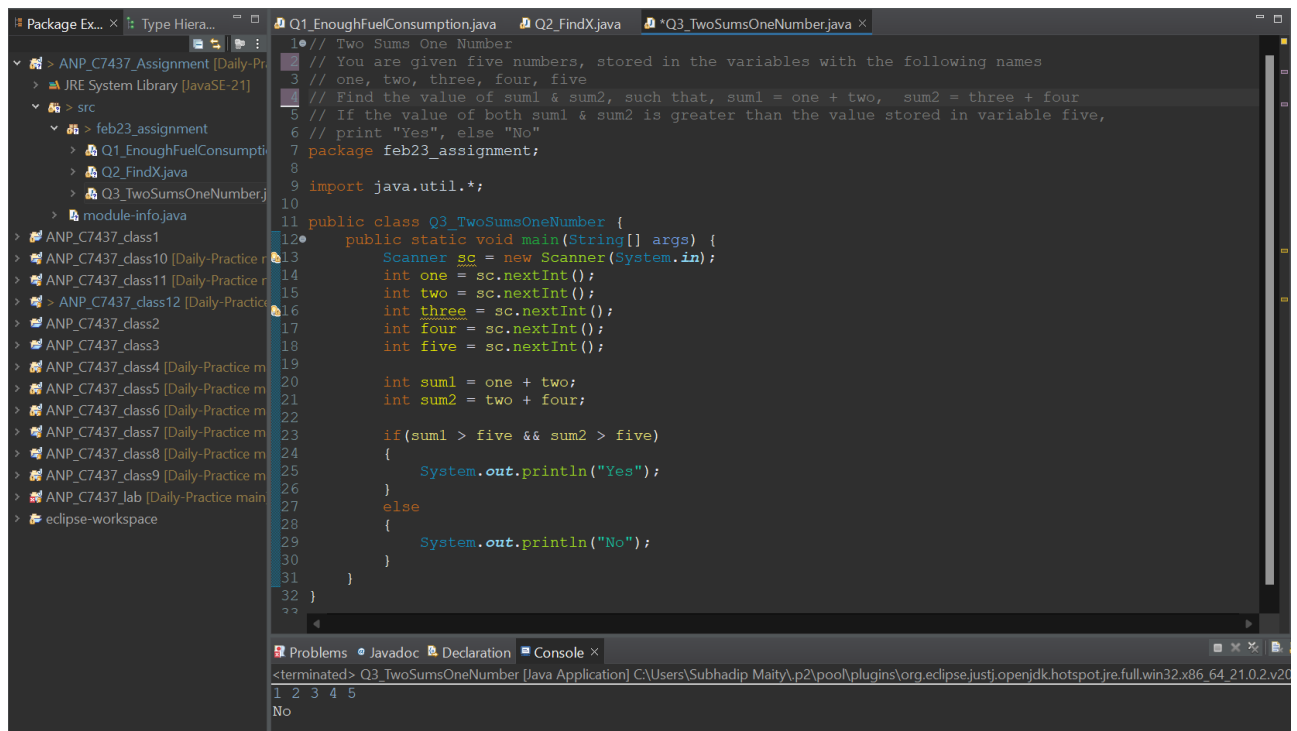


The screenshot shows the Eclipse IDE with the following components:

- Package Explorer:** Displays the project structure, including the package `feb23_assignment` and the class `Q2_FindX`.
- Code Editor:** Contains the source code for `Q2_FindX.java`. The code is as follows:

```
1 // Find X
2 // You are given a no. x. Find the value of x, if
3 // 1. X is multiplied by 3
4 // 2. 10 is added to the new value of x
5
6 package feb23_assignment;
7
8 import java.util.*;
9
10 public class Q2_FindX {
11     public static void main(String[] args) {
12         Scanner sc = new Scanner(System.in);
13         int x = sc.nextInt();
14
15         x = x * 3 + 10;
16
17         System.out.println(x);
18     }
19 }
20
```
- Console:** Shows the output of the program, which is `3`.

Q3. Two Sums One Number

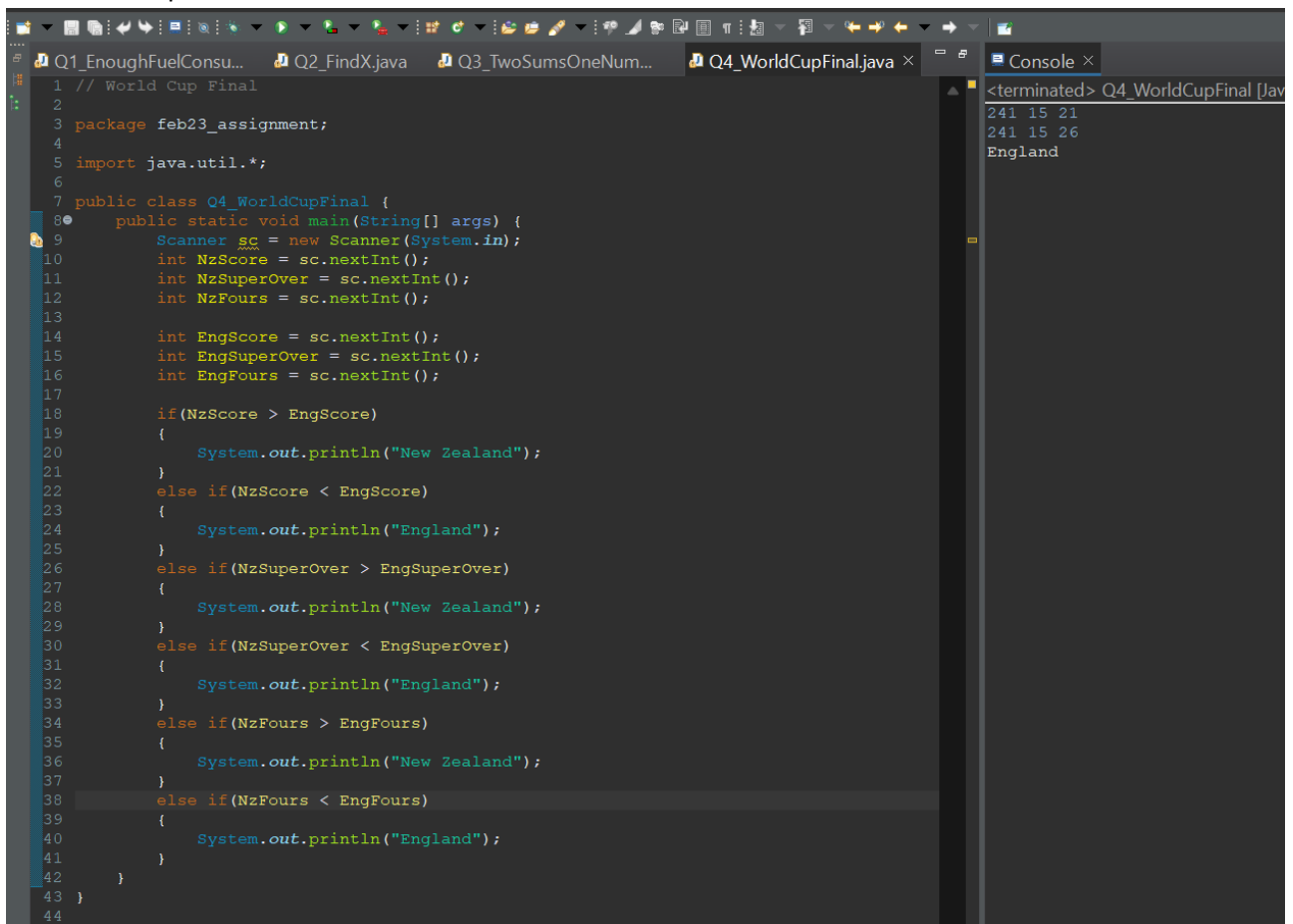


```
1 // Two Sums One Number
2 // You are given five numbers, stored in the variables with the following names
3 // one, two, three, four, five
4 // Find the value of sum1 & sum2, such that, sum1 = one + two, sum2 = three + four
5 // If the value of both sum1 & sum2 is greater than the value stored in variable five,
6 // print "Yes", else "No"
7 package feb23_assignment;
8
9 import java.util.*;
10
11 public class Q3_TwoSumsOneNumber {
12     public static void main(String[] args) {
13         Scanner sc = new Scanner(System.in);
14         int one = sc.nextInt();
15         int two = sc.nextInt();
16         int three = sc.nextInt();
17         int four = sc.nextInt();
18         int five = sc.nextInt();
19
20         int sum1 = one + two;
21         int sum2 = three + four;
22
23         if(sum1 > five && sum2 > five)
24         {
25             System.out.println("Yes");
26         }
27         else
28         {
29             System.out.println("No");
30         }
31     }
32 }
```

Console Output:

```
<terminated> Q3_TwoSumsOneNumber [Java Application] C:\Users\Subhadip Maity\AppData\Local\Temp\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.2.v20230718\jre\bin\java.exe
1 2 3 4 5
No
```

Q4. World Cup Final

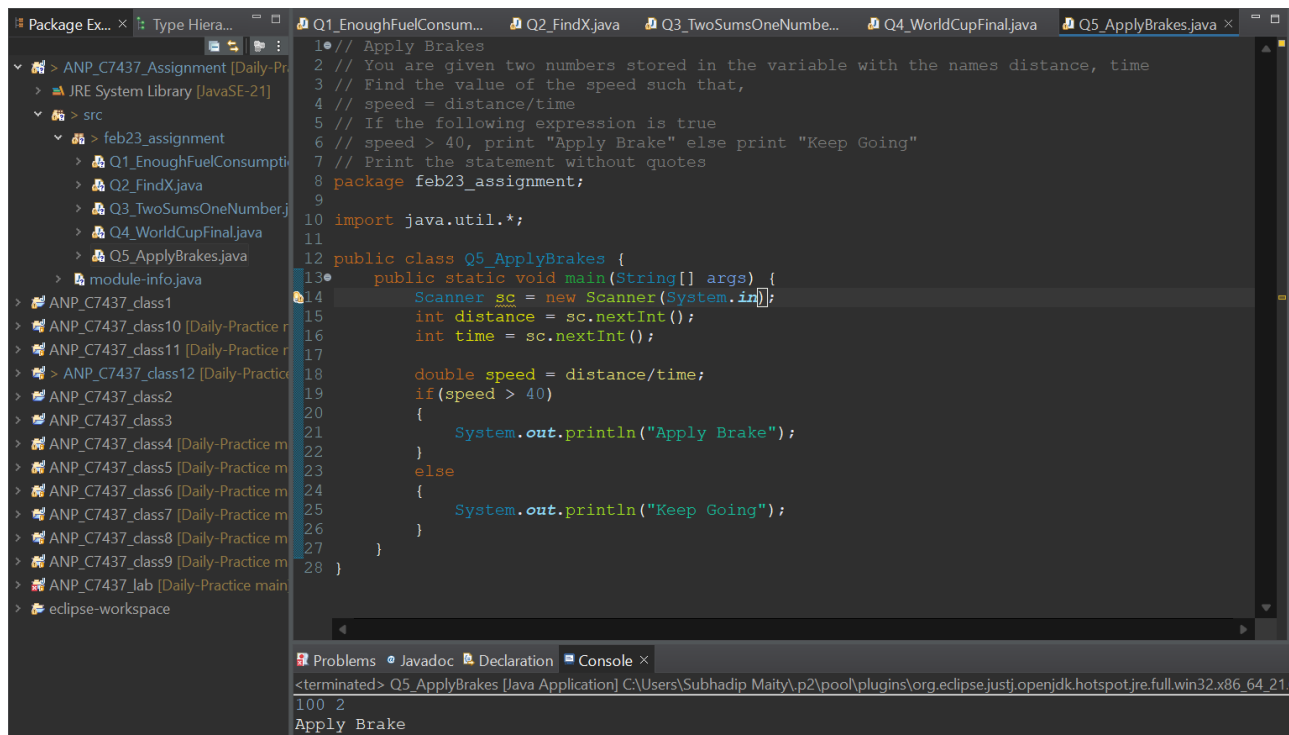


```
1 // World Cup Final
2
3 package feb23_assignment;
4
5 import java.util.*;
6
7 public class Q4_WorldCupFinal {
8     public static void main(String[] args) {
9         Scanner sc = new Scanner(System.in);
10         int NzScore = sc.nextInt();
11         int NzSuperOver = sc.nextInt();
12         int NzFours = sc.nextInt();
13
14         int EngScore = sc.nextInt();
15         int EngSuperOver = sc.nextInt();
16         int EngFours = sc.nextInt();
17
18         if(NzScore > EngScore)
19         {
20             System.out.println("New Zealand");
21         }
22         else if(NzScore < EngScore)
23         {
24             System.out.println("England");
25         }
26         else if(NzSuperOver > EngSuperOver)
27         {
28             System.out.println("New Zealand");
29         }
30         else if(NzSuperOver < EngSuperOver)
31         {
32             System.out.println("England");
33         }
34         else if(NzFours > EngFours)
35         {
36             System.out.println("New Zealand");
37         }
38         else if(NzFours < EngFours)
39         {
40             System.out.println("England");
41         }
42     }
43 }
44 }
```

Console Output:

```
<terminated> Q4_WorldCupFinal [Java Application] C:\Users\Subhadip Maity\AppData\Local\Temp\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.2.v20230718\jre\bin\java.exe
241 15 21
241 15 26
England
```

Q5. Apply Brakes

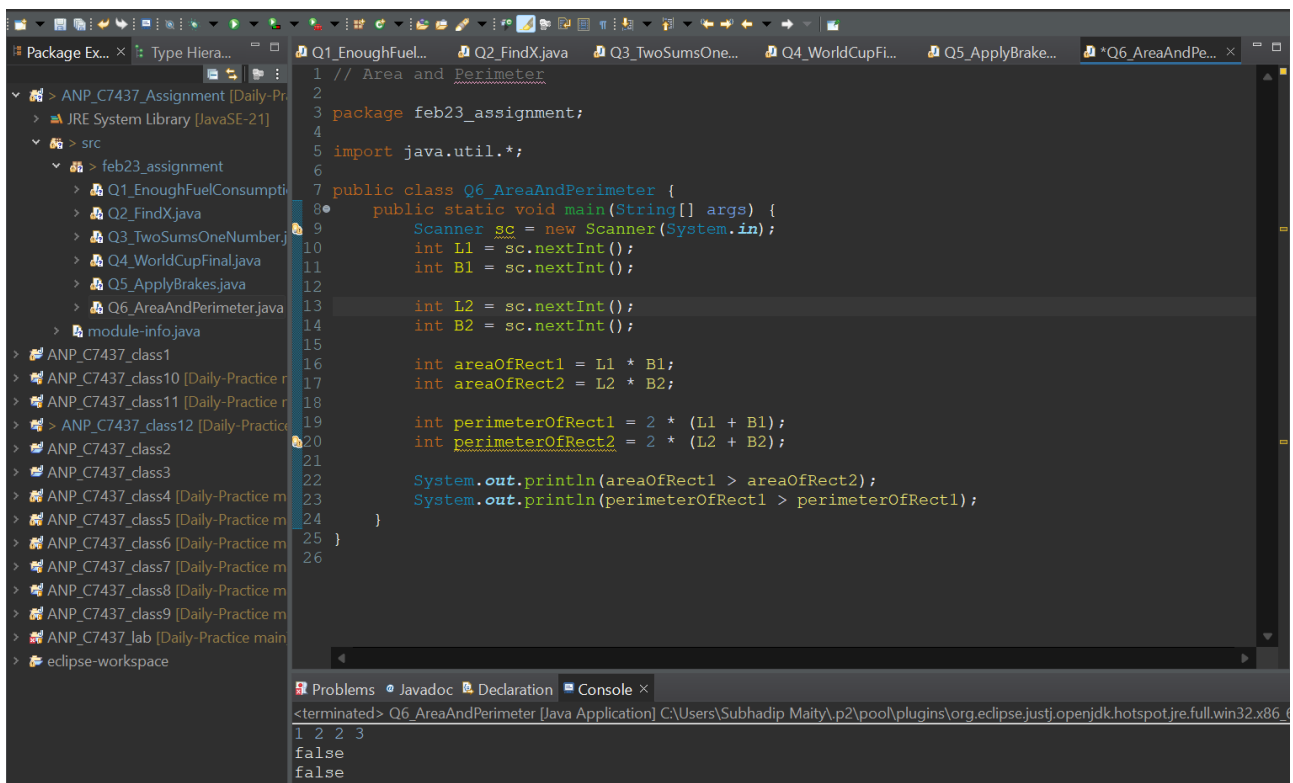


```
1 // Apply Brakes
2 // You are given two numbers stored in the variable with the names distance, time
3 // Find the value of the speed such that,
4 // speed = distance/time
5 // If the following expression is true
6 // speed > 40, print "Apply Brake" else print "Keep Going"
7 // Print the statement without quotes
8 package feb23_assignment;
9
10 import java.util.*;
11
12 public class Q5_ApplyBrakes {
13     public static void main(String[] args) {
14         Scanner sc = new Scanner(System.in);
15         int distance = sc.nextInt();
16         int time = sc.nextInt();
17
18         double speed = distance/time;
19         if(speed > 40)
20         {
21             System.out.println("Apply Brake");
22         }
23         else
24         {
25             System.out.println("Keep Going");
26         }
27     }
28 }
```

Console Output:

```
<terminated> Q5_ApplyBrakes [Java Application] C:\Users\Subhadip Maity\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21
100 2
Apply Brake
```

Q6. Area and Perimeter



```
1 // Area and Perimeter
2
3 package feb23_assignment;
4
5 import java.util.*;
6
7 public class Q6_AreaAndPerimeter {
8     public static void main(String[] args) {
9         Scanner sc = new Scanner(System.in);
10         int L1 = sc.nextInt();
11         int B1 = sc.nextInt();
12
13         int L2 = sc.nextInt();
14         int B2 = sc.nextInt();
15
16         int areaOfRect1 = L1 * B1;
17         int areaOfRect2 = L2 * B2;
18
19         int perimeterOfRect1 = 2 * (L1 + B1);
20         int perimeterOfRect2 = 2 * (L2 + B2);
21
22         System.out.println(areaOfRect1 > areaOfRect2);
23         System.out.println(perimeterOfRect1 > perimeterOfRect2);
24     }
25 }
26
```

Console Output:

```
<terminated> Q6_AreaAndPerimeter [Java Application] C:\Users\Subhadip Maity\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21
1 2 2 3
false
false
```

Q7. Compare Two Numbers

The screenshot shows the Eclipse IDE with the following components:

- Package Explorer (Left):** Displays the project structure, including the 'src' folder and the 'feb23_assignment' package. The 'Q7_ComapreTwoNumbers.java' file is selected.
- Source Editor (Center):** Contains the Java code for 'Q7_ComapreTwoNumbers.java'. The code is as follows:


```

1 // Compare Two Numbers
2
3 package feb23_assignment;
4
5 import java.util.*;
6
7 public class Q7_ComapreTwoNumbers {
8     public static void main(String[] args) {
9         Scanner sc = new Scanner(System.in);
10        int one = sc.nextInt();
11        int two = sc.nextInt();
12
13        if(one > two)
14        {
15            System.out.println("Yes");
16        }
17        else
18        {
19            System.out.println("No");
20        }
21    }
22 }
23

```
- Problems/Console Window (Bottom):** Shows the output of the program, which is 'No', indicating that the first number is not greater than the second number.

Q8. Cube and Square

The screenshot shows the Eclipse IDE with the following components:

- Package Explorer (Left):** Displays the project structure. The package `ANP_C7437_Assignment` is expanded, showing the source file `Q8_CubeAndSquare.java`.
- Editor (Center):** Displays the source code of `Q8_CubeAndSquare.java`. The code is as follows:


```

1 // Cube and Square
2 package feb23_assignment;
3
4 import java.util.*;
5
6 public class Q8_CubeAndSquare {
7     public static void main(String[] args) {
8         Scanner sc = new Scanner(System.in);
9         int n = sc.nextInt();
10        int m = sc.nextInt();
11
12        System.out.println(n*n*n > m*m);
13    }
14 }
15
```
- Console (Bottom):** Shows the output of the program. It indicates that the program terminated successfully with the message:


```

<terminated> Q8_CubeAndSquare [Java Application] C:\Users\Subhadip Maity\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64
2 3
false

```

Q9. Double All

The screenshot shows the Eclipse IDE with the following components:

- Package Explorer (Left):** Displays the project structure, including the package `ANP_C7437_Assignment` and its sub-packages like `Q1_EnoughFuelConsumption`, `Q2_FindX.java`, `Q3_TwoSumsOneNumber.java`, `Q4_WorldCupFinal.java`, `Q5_ApplyBrakes.java`, `Q6_AreaAndPerimeter.java`, `Q7_CompareTwoNumbers.java`, `Q8_CubeAndSquare.java`, `Q9_DoubleAll.java`, and `module-info.java`.
- Source Editor (Center):** Displays the source code of `Q9_DoubleAll.java`. The code is as follows:


```

1 // Double All
2 package feb23_assignment;
3
4 import java.util.*;
5
6 public class Q9_DoubleAll {
7     public static void main(String[] args) {
8         Scanner sc = new Scanner(System.in);
9         int one = sc.nextInt();
10        int two = sc.nextInt();
11        int three = sc.nextInt();
12        int four = sc.nextInt();
13        int five = sc.nextInt();
14
15        one*=2;
16        two*=2;
17        three*=2;
18        four*=2;
19        five*=2;
20
21        System.out.println(one + two + three + four + five);
22    }
23 }
24

```
- Console (Bottom):** Shows the output of the program, which is the sum of the five integers entered by the user. The output is:

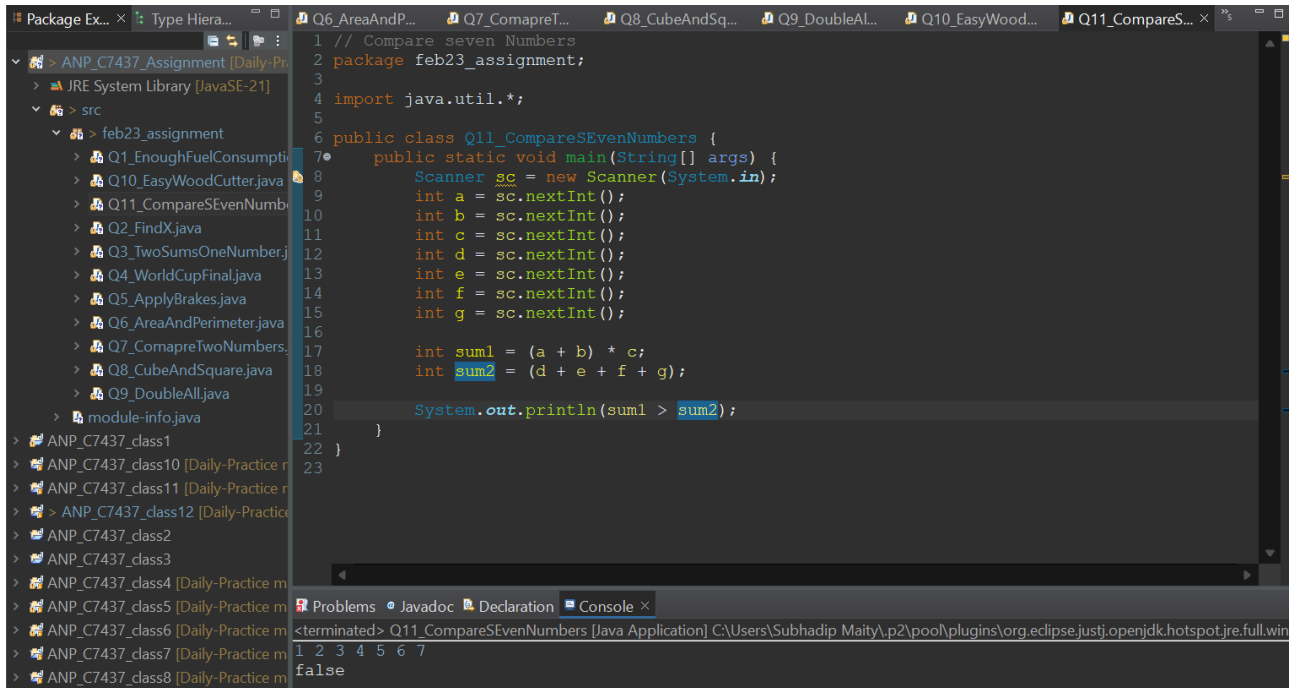

```

<terminated> Q9_DoubleAll [Java Application] C:\Users\Subhadip Maity\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.21.0.2
1 2 3 4 5
30

```

Q10. Easy Wood Cutter

Q11. Compare seven Numbers



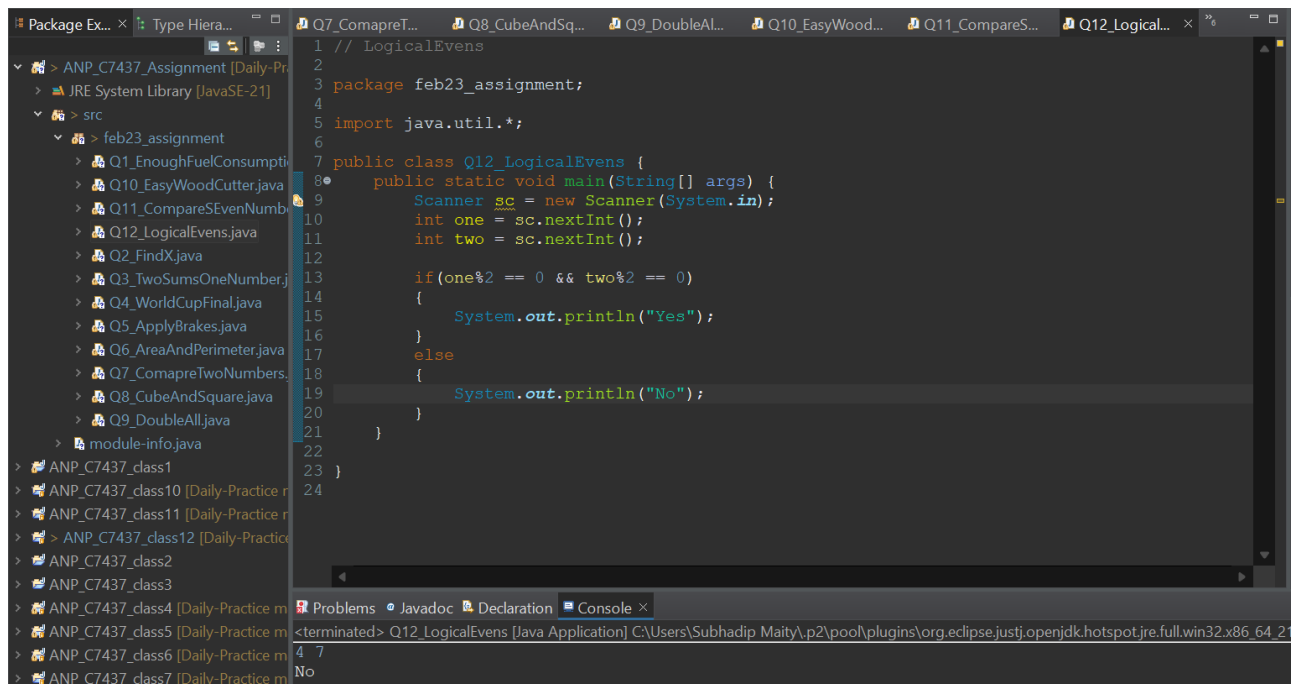
```
1 // Compare seven Numbers
2 package feb23_assignment;
3
4 import java.util.*;
5
6 public class Q11_CompareSevenNumbers {
7     public static void main(String[] args) {
8         Scanner sc = new Scanner(System.in);
9         int a = sc.nextInt();
10        int b = sc.nextInt();
11        int c = sc.nextInt();
12        int d = sc.nextInt();
13        int e = sc.nextInt();
14        int f = sc.nextInt();
15        int g = sc.nextInt();
16
17        int sum1 = (a + b) * c;
18        int sum2 = (d + e + f + g);
19
20        System.out.println(sum1 > sum2);
21    }
22 }
23
```

Problems Javadoc Declaration Console ×

<terminated> Q11_CompareSevenNumbers [Java Application] C:\Users\Subhadip Maity\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win

1 2 3 4 5 6 7
false

Q12. LogicalEvens



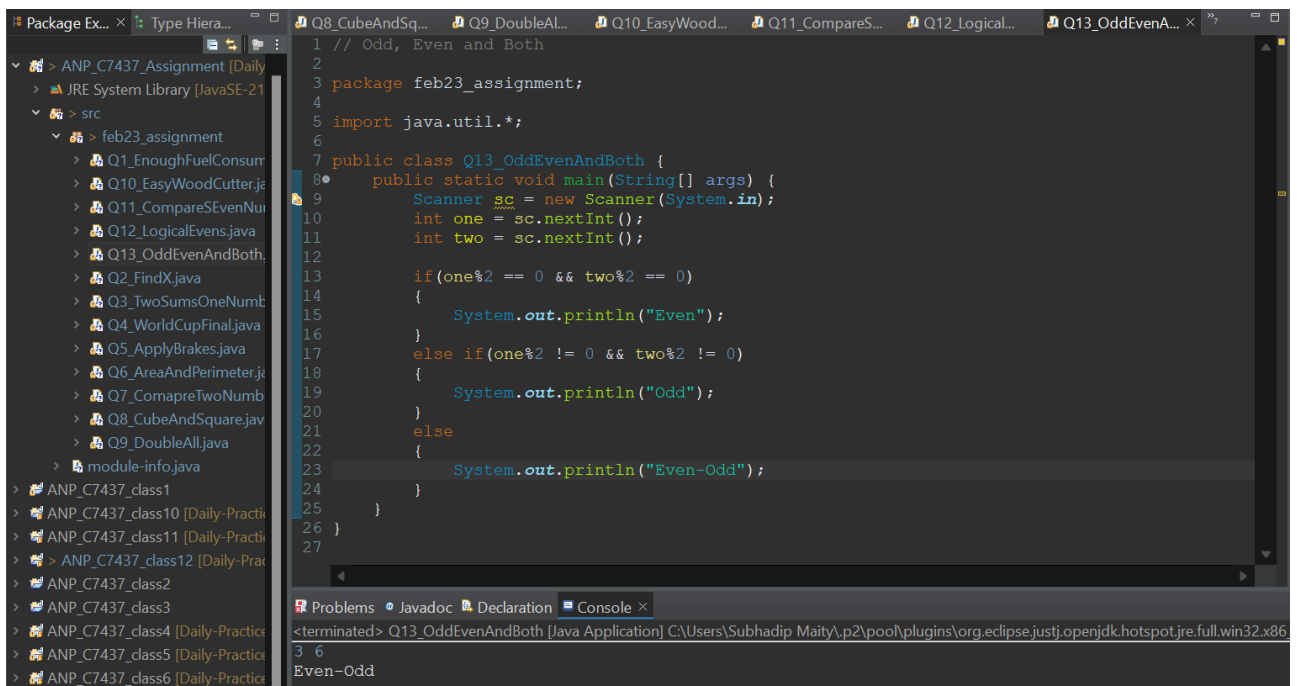
```
1 // LogicalEvens
2
3 package feb23_assignment;
4
5 import java.util.*;
6
7 public class Q12_LogicalEvens {
8     public static void main(String[] args) {
9         Scanner sc = new Scanner(System.in);
10        int one = sc.nextInt();
11        int two = sc.nextInt();
12
13        if(one%2 == 0 && two%2 == 0)
14        {
15            System.out.println("Yes");
16        }
17        else
18        {
19            System.out.println("No");
20        }
21    }
22 }
23
24
```

Problems Javadoc Declaration Console ×

<terminated> Q12_LogicalEvens [Java Application] C:\Users\Subhadip Maity\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21

4 7
No

Q13. Odd, Even and Both



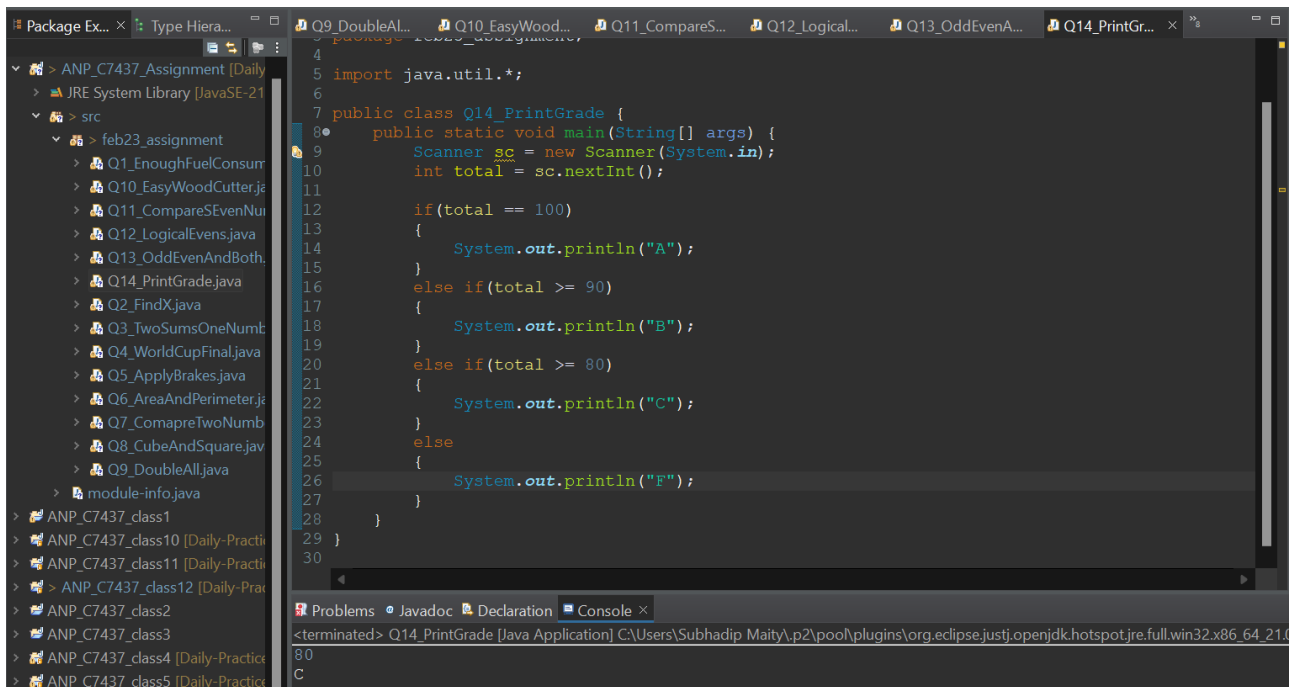
```
1 // Odd, Even and Both
2
3 package feb23_assignment;
4
5 import java.util.*;
6
7 public class Q13_OddEvenAndBoth {
8     public static void main(String[] args) {
9         Scanner sc = new Scanner(System.in);
10        int one = sc.nextInt();
11        int two = sc.nextInt();
12
13        if(one%2 == 0 && two%2 == 0)
14        {
15            System.out.println("Even");
16        }
17        else if(one%2 != 0 && two%2 != 0)
18        {
19            System.out.println("Odd");
20        }
21        else
22        {
23            System.out.println("Even-Odd");
24        }
25    }
26 }
27
```

Problems Javadoc Declaration Console

<terminated> Q13_OddEvenAndBoth [Java Application] C:\Users\Subhadip Maity\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.4\jre\bin\java.exe

3 6
Even-Odd

Q14. Print Grade



```
1 package feb23_assignment;
2
3 import java.util.*;
4
5 public class Q14_PrintGrade {
6     public static void main(String[] args) {
7         Scanner sc = new Scanner(System.in);
8         int total = sc.nextInt();
9
10        if(total == 100)
11        {
12            System.out.println("A");
13        }
14        else if(total >= 90)
15        {
16            System.out.println("B");
17        }
18        else if(total >= 80)
19        {
20            System.out.println("C");
21        }
22        else
23        {
24            System.out.println("F");
25        }
26    }
27 }
28
29
30
```

Problems Javadoc Declaration Console

<terminated> Q14_PrintGrade [Java Application] C:\Users\Subhadip Maity\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.4\jre\bin\java.exe

80
C

Q15. Profile Pic

The screenshot shows the Eclipse IDE with the following components:

- Package Explorer (Left):** Displays the project structure. The package `feb23_assignment` is expanded, showing several Java files including `Q15_ProfilePic.java`.
- Editor (Center):** Displays the source code of `Q15_ProfilePic.java`. The code is as follows:


```

1 // profile Pic
2
3 package feb23_assignment;
4
5 import java.util.*;
6
7 public class Q15_ProfilePic {
8     public static void main(String[] args) {
9         Scanner sc = new Scanner(System.in);
10        int L = sc.nextInt();
11        int W = sc.nextInt();
12
13        int length = sc.nextInt();
14        int width = sc.nextInt();
15
16        if(length > L && width > W)
17        {
18            System.out.println("Upload");
19        }
20        else if(length < L)
21        {
22            System.out.println("Increase Length");
23        }
24        else if(width < W)
25        {
26            System.out.println("Increase Width");
27        }
28    }
29 }

```
- Console (Bottom):** Shows the output of the program execution. The output is:


```

<terminated> Q15_ProfilePic [Java Application] C:\Users\Subhadip Maity\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0
12 14
8 19
Increase Length

```

Q16. Single Array

The screenshot shows the Eclipse IDE with the 'feb23_assignment' project selected in the Package Explorer. The code editor displays the implementation of 'Q16_SingleArray.java'. The code is as follows:

```

1 // Single Array
2
3 package feb23_assignment;
4
5 import java.util.*;
6
7 public class Q16_SingleArray {
8     public static void main(String[] args) {
9         Scanner sc = new Scanner(System.in);
10        int N = sc.nextInt();
11        int arr[] = new int[N];
12
13        for(int i=0; i<N; i++)
14        {
15            arr[i] = sc.nextInt();
16        }
17
18        for(int i=0; i<N; i++)
19        {
20            System.out.print(arr[i] + 1 + " ");
21        }
22    }
23 }
24

```

The console output at the bottom shows the result of the program execution:

```

<terminated> Q16_SingleArray [Java Application] C:\Users\Subhadip Maity\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.
5
1 2 3 4 5
2 3 4 5 6

```


Q17. Sum & Compare

The screenshot displays the Eclipse IDE with the following components:

- Package Explorer (Left):** Shows the project structure. The 'ANP_C7437_Assignment' package is expanded, revealing sub-packages like 'JRE System Library' and 'src'. The 'src' package is further expanded, showing the 'feb23_assignment' package, which contains the 'Q17_SumAndCompare.java' file.
- Editor (Center):** Displays the source code of 'Q17_SumAndCompare.java'. The code is as follows:


```

1 // sum & Compare
2
3 package feb23_assignment;
4
5 import java.util.*;
6
7 public class Q17_SumAndCompare {
8     public static void main(String[] args) {
9         Scanner sc = new Scanner(System.in);
10        int one = sc.nextInt();
11        int two = sc.nextInt();
12        int three = sc.nextInt();
13        int four = sc.nextInt();
14        int five = sc.nextInt();
15
16        int sum1 = one + two + three;
17        int sum2 = four + five;
18
19        System.out.println(sum1 > sum2);
20    }
21 }
22
```
- Console (Bottom):** Shows the output of the program, which is '1 2 3 4 5'.