Writing a program in Java to implement implicit and explicit type casting

1. Implicit TypeCasting

```
1  package Imp;
2  import java.util.Scanner;
3
4  public class Implicit {
5
6⊖     public static void main(String[] args) {
7          Scanner sc = new Scanner(System.in);
8          System.out.println(" Enter the value of byte  : ");
9          byte a = sc.nextByte() ;
10         System.out.println("");
11
12         // Implicit TypeCasting
13         System.out.println("Implicit TypeCasting");
14         System.out.println("-------------------------");
15
16         short b = a;
17         System.out.println("short value is : " +b );
18
19         int c = b;
20         System.out.println("int value is : " +c );
21
22         long d = c;
23         System.out.println("long value is : " +d );
24
25         float e = d;
26         System.out.println("float value is : " +e );
27
28         double f = e;
29         System.out.println("double value is : " +f );
30     }
31
32 }
33
```

Problems @ Javadoc Declaration Console ×

<terminated> Implicit [Java Application] C:\Users\hp\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\javaw

```
 Enter the value of byte  :
33

Implicit TypeCasting
-------------------------
short value is : 33
int value is : 33
long value is : 33
float value is : 33.0
double value is : 33.0
```

2. Explicit TypeCasting

```java
1   package Imp;
2   import java.util.Scanner;
3
4   public class Explicit {
5
6       public static void main(String[] args) {
7           Scanner sc = new Scanner(System.in);
8
9           System.out.println(" Enter the value of double  : ");
10          double g = sc.nextDouble() ;
11          System.out.println("");
12          //Explicit TypeCasting
13          System.out.println("Explicit TypeCasting");
14          System.out.println("----------------------------");
15
16          float h = (float)g;
17          System.out.println("float value is : " +h);
18
19          long i = (long)h;
20          System.out.println("long value is : " +i);
21
22          int j = (int)i;
23          System.out.println("int value is : " +j);
24
25          short k = (short)j;
26          System.out.println("short value is : " +k);
27
28          byte l = (byte)k;
29          System.out.println("byte value is : " +l);
30      }
31
32  }
33
```

Problems   @ Javadoc   Declaration   Console ✕

<terminated> Explicit [Java Application] C:\Users\hp\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\javaw.ex

```
 Enter the value of double  :
23.67

Explicit TypeCasting
----------------------------
float value is : 23.67
long value is : 23
int value is : 23
short value is : 23
byte value is : 23
```