JAGYASINI RAUTRAY

rautrayjagyasini@gmail.com

8249695758

PL-1752 , Biswanath Nagar,BJB Nagar, Bhubaneswar

https://www.linkedin.com/in/jagyasini-rautray-29b248250

SKILLS

C	Python	Data Structures
C++	HTML	SQL
Java	CSS	Algorithms
ReactJs	Snowflake	

PERSONAL DETAILS

Date of Birth : 01/01/2002

Gender : Female

Languages Known : English ,Hindi, Odia

INTERESTS

Painting	Travelling
Volunteering.	Dance

ADDITIONAL INFORMATION

Participated in NCC in National level rifle shooting

Vice Captain in school

Trained in odissi dance

OBJECTIVE

To enhance my professional skills, capabilities and knowledge in an organization which recognizes the value of hard work and trusts me with responsibilities and challenges

EDUCATION

B.Tech (Computer science and engineering) 07/2019-07/2023

ITER(SOA University)

7.89 CGPA

12th (Senior secondary) 04/2018-04/2019

Buxi Jagabandhu English Medium school(CBSE)

62.6 %

10th (Secondary) 04/2016-04/2017

Buxi Jagabandhu English Medium school (CBSE)

83.6%

EXPERIENCE

Analyst trainee intern 01/06/2022 - 01/06/2023

Highradius Technologies

Working as a tester and debugger for the defects on Salesforce. Our work is to optimise, clean and make data processing faster for the clients using technologies like SQL and Snowflake.

PROJECTS

AI Enabled fintech B2B invoice Management Application

Full stack project which predicts the invoice date and automates the whole process. Technology used automates the whole process. Technology used python,java,react,html,css and javascript.

Internet of Things (IOT) using Python - Diwali light Decoration

Created Iot enabled diwali lights whose color can be controlled over Wi-Fi wirelessly from anywhere using Raspberry pi pico

ACHIEVEMENTS & AWARDS

Python Data Structures (University of Michigan) -Coursera

Crash course on Python (Google)-Coursera

Foundations:Data,Data, Everywhere (Google)-Coursera

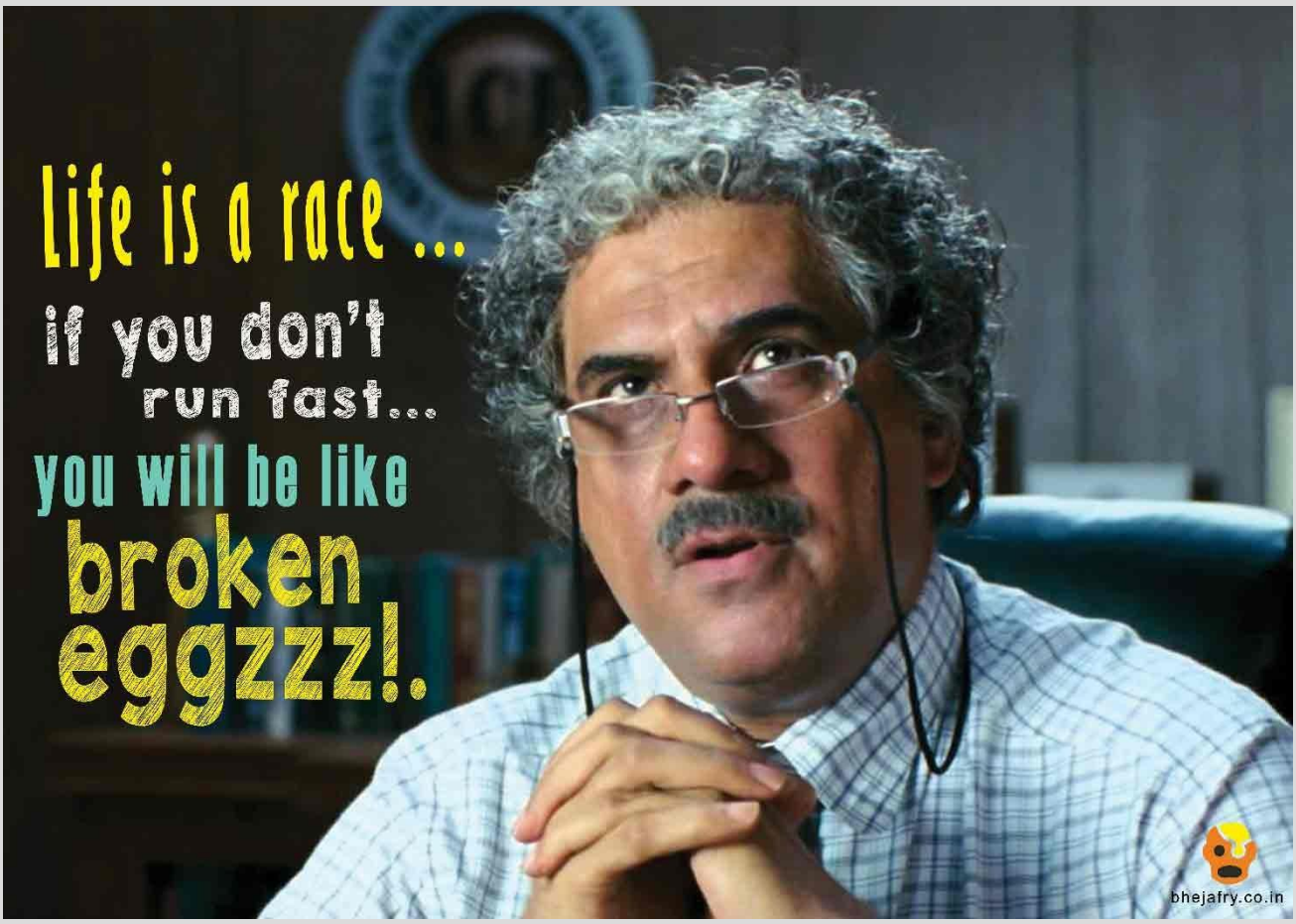
HTML,CSS,and JavaScript for web developers(John Hopkins University)-Coursera

Bootcamp on JavaScript &Backend with node js by ShapeAI

Bootcamp on Python and Machine learning by ShapeAI

Typecasting Assignment

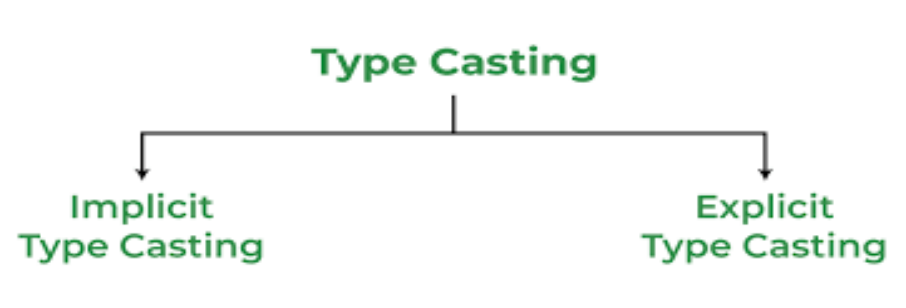
LIFE IS A RACE LETS BEGAN.....



Submitted By: -Jagyasini Rautray

Submitted To: -Punith Sir

Lets start:



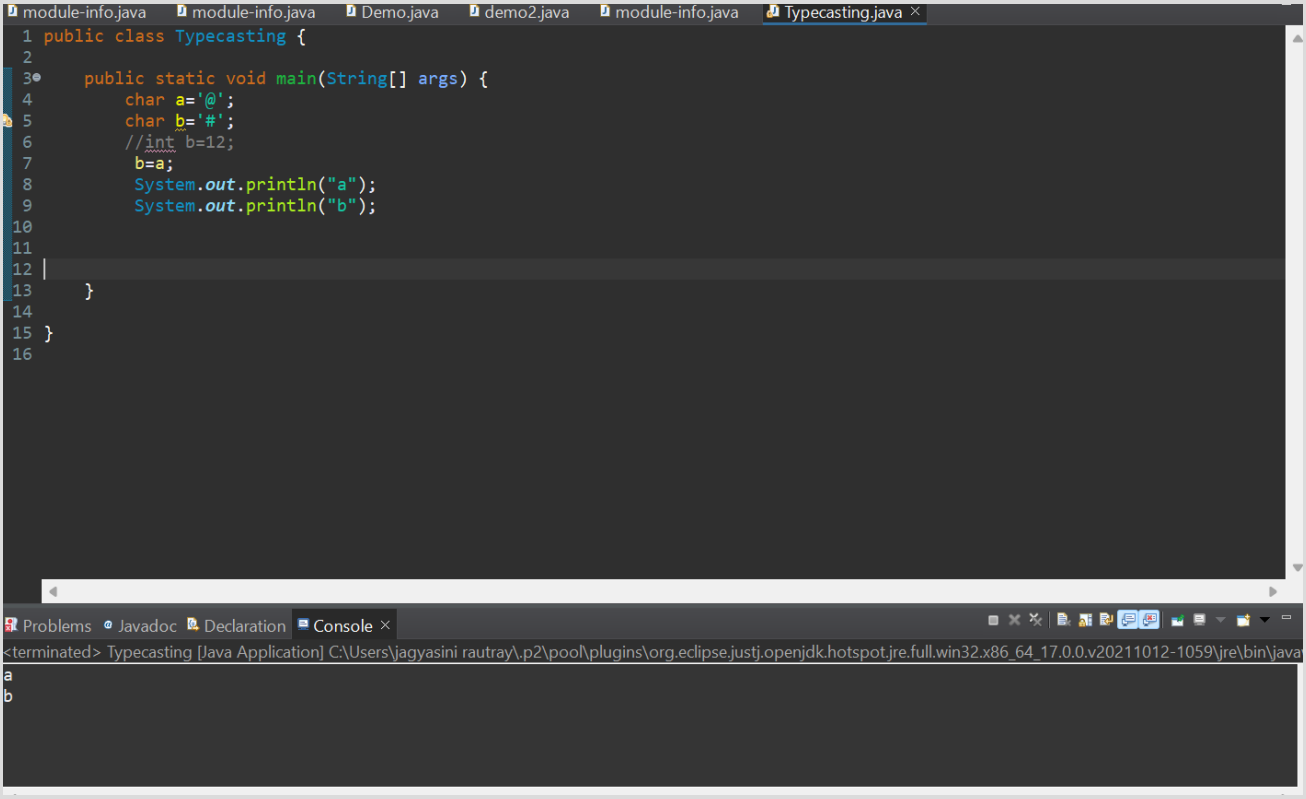
Introduction:

The process of converting the data of one type to another in technology is called Type casting.

There are two types:

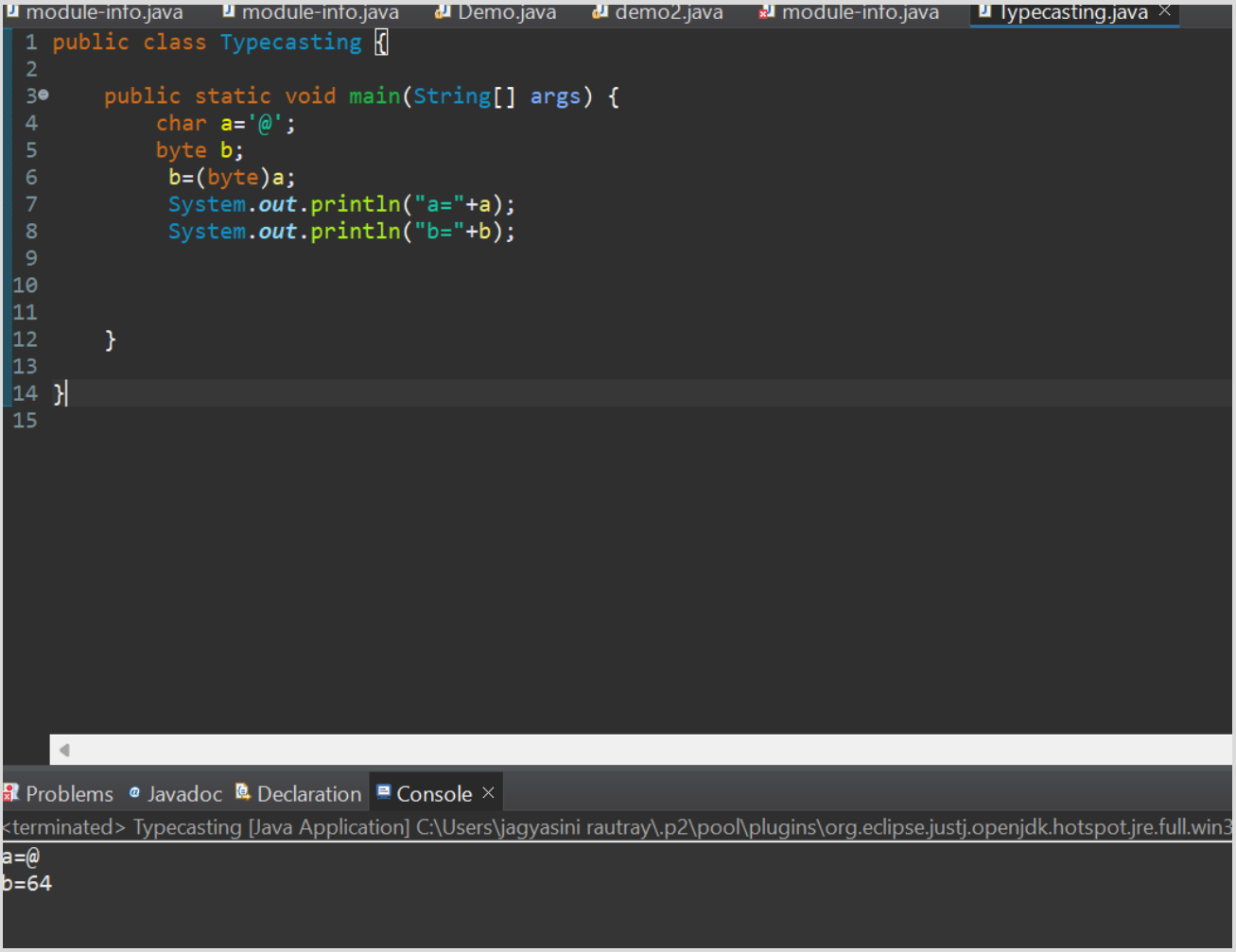
- Implicit typecasting (Widening)
- Explicit typecasting (Narrowing)

Char to char:

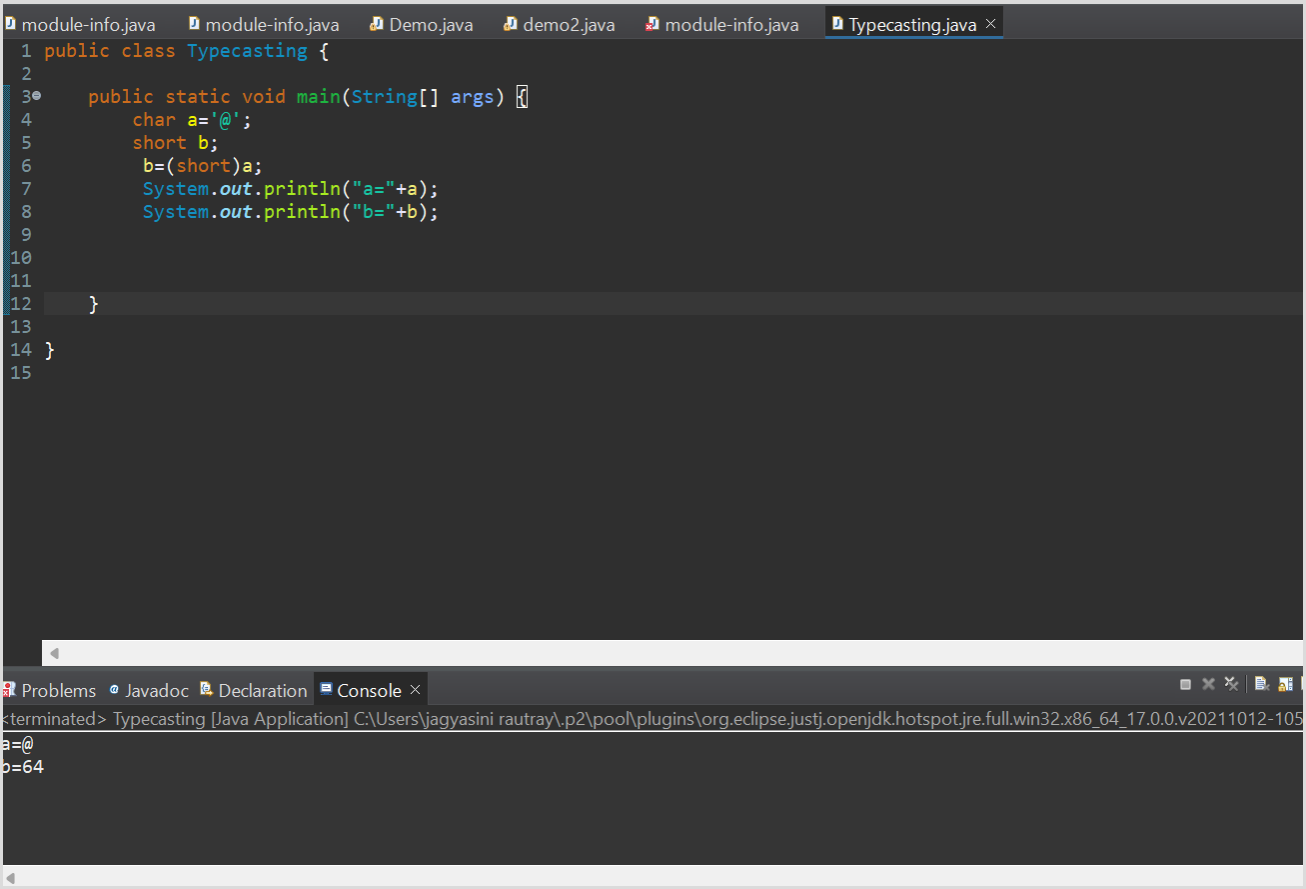


//No conversion required

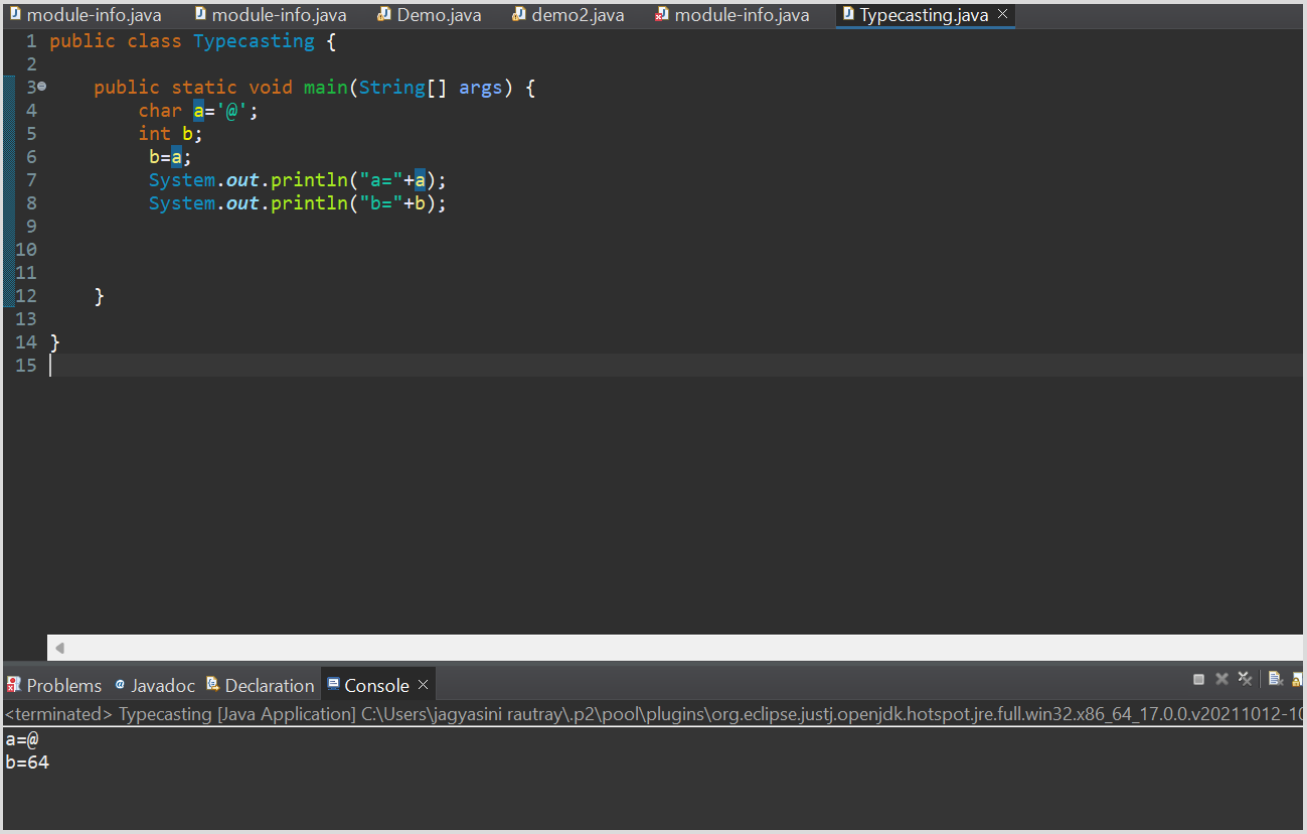
Char to byte:


module-info.java
module-info.java
Demo.java
demo2.java
module-info.java
Typecasting.java
1 public class Typecasting {
2
3 public static void main(String[] args) {
4 char a='@';
5 byte b;
6 b=(byte)a;
7 System.out.println("a="+a);
8 System.out.println("b="+b);
9
10
11
12 }
13
14 }
15
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win3
a=@
b=64

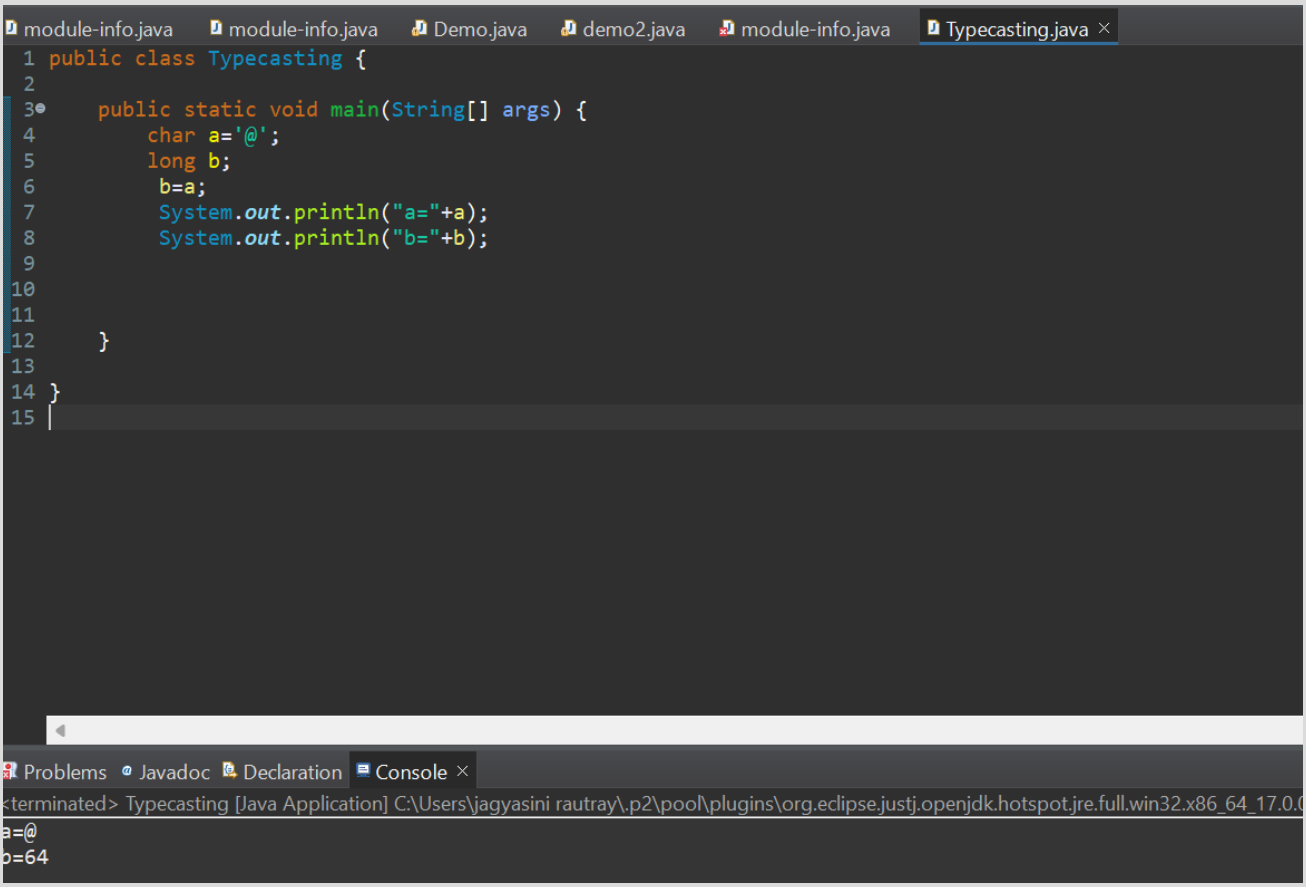
Char to short :



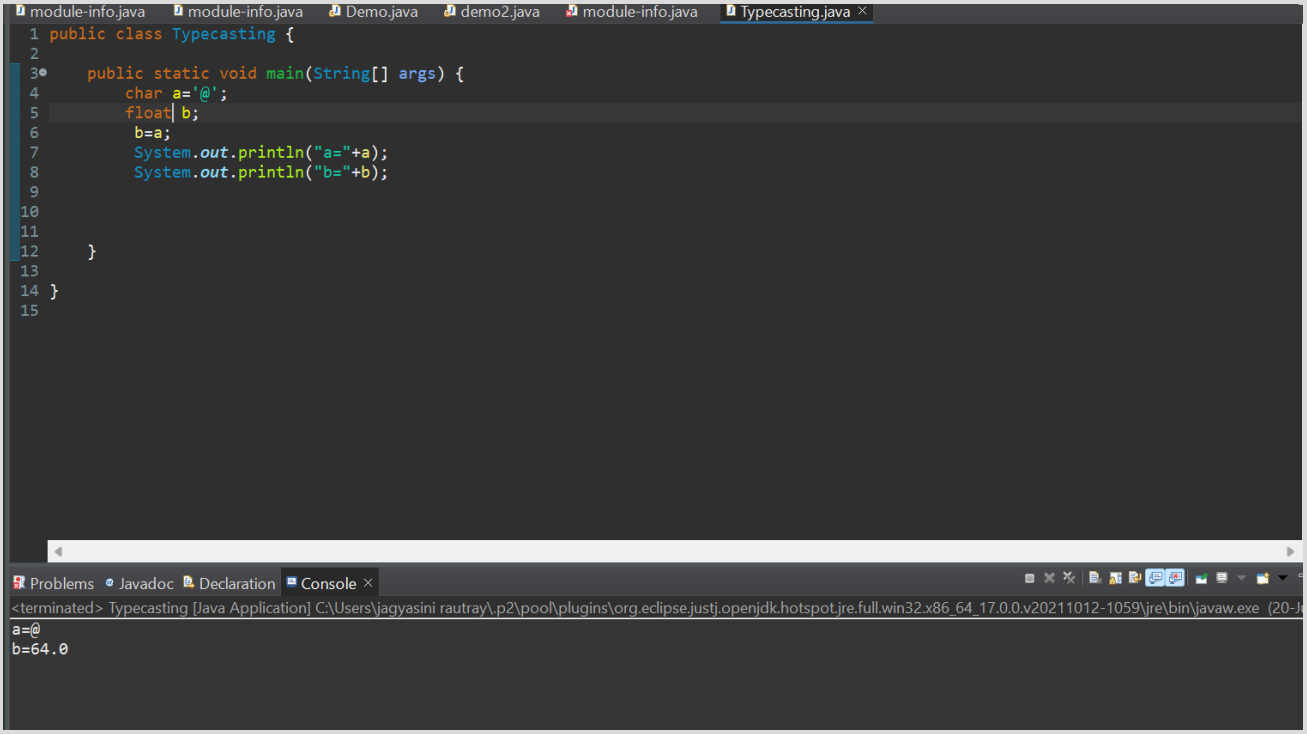
Char to int :


module-info.java
module-info.java
Demo.java
demo2.java
module-info.java
Typecasting.java
1 public class Typecasting {
2
3 public static void main(String[] args) {
4 char a='@';
5 int b;
6 b=a;
7 System.out.println("a="+a);
8 System.out.println("b="+b);
9
10
11
12 }
13
14 }
15
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.0.v20211012-1
a=@
b=64

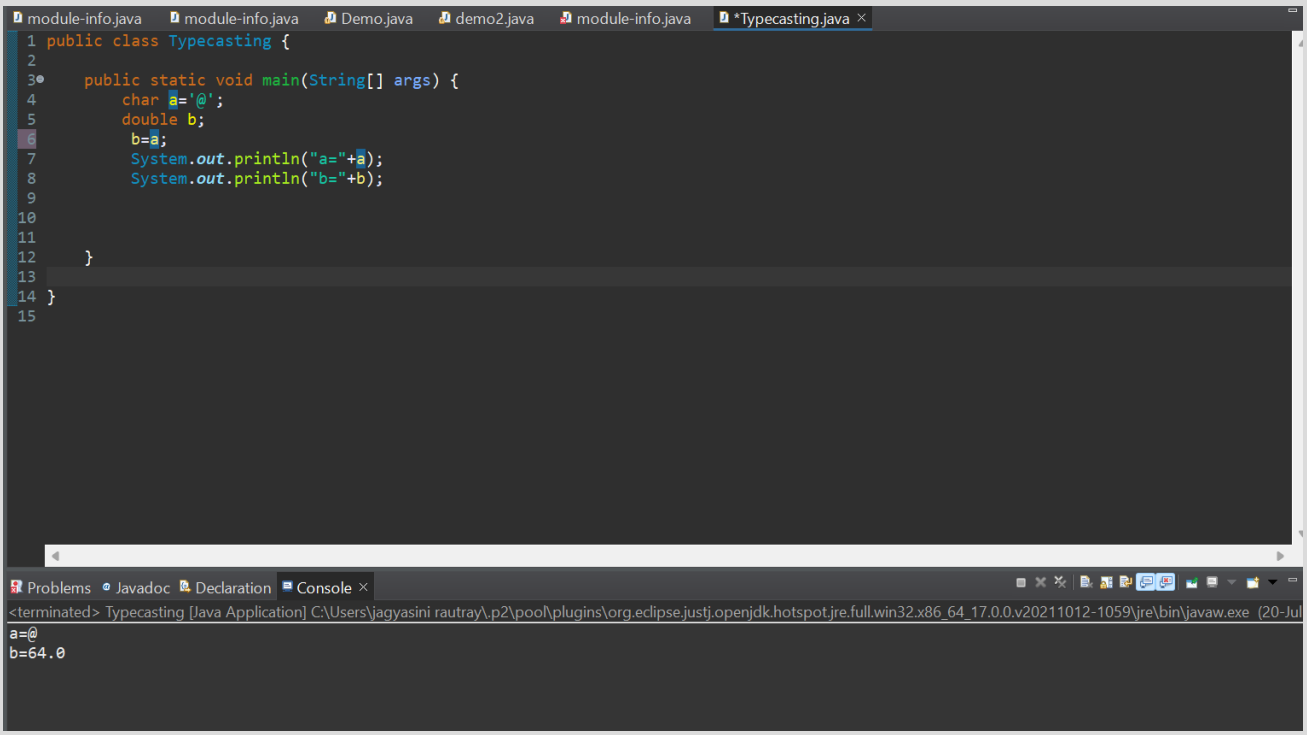
Char to long :


module-info.java
module-info.java
Demo.java
demo2.java
module-info.java
Typecasting.java
1 public class Typecasting {
2
3 public static void main(String[] args) {
4 char a='@';
5 long b;
6 b=a;
7 System.out.println("a="+a);
8 System.out.println("b="+b);
9
10
11
12 }
13
14 }
15
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.
a=@
b=64

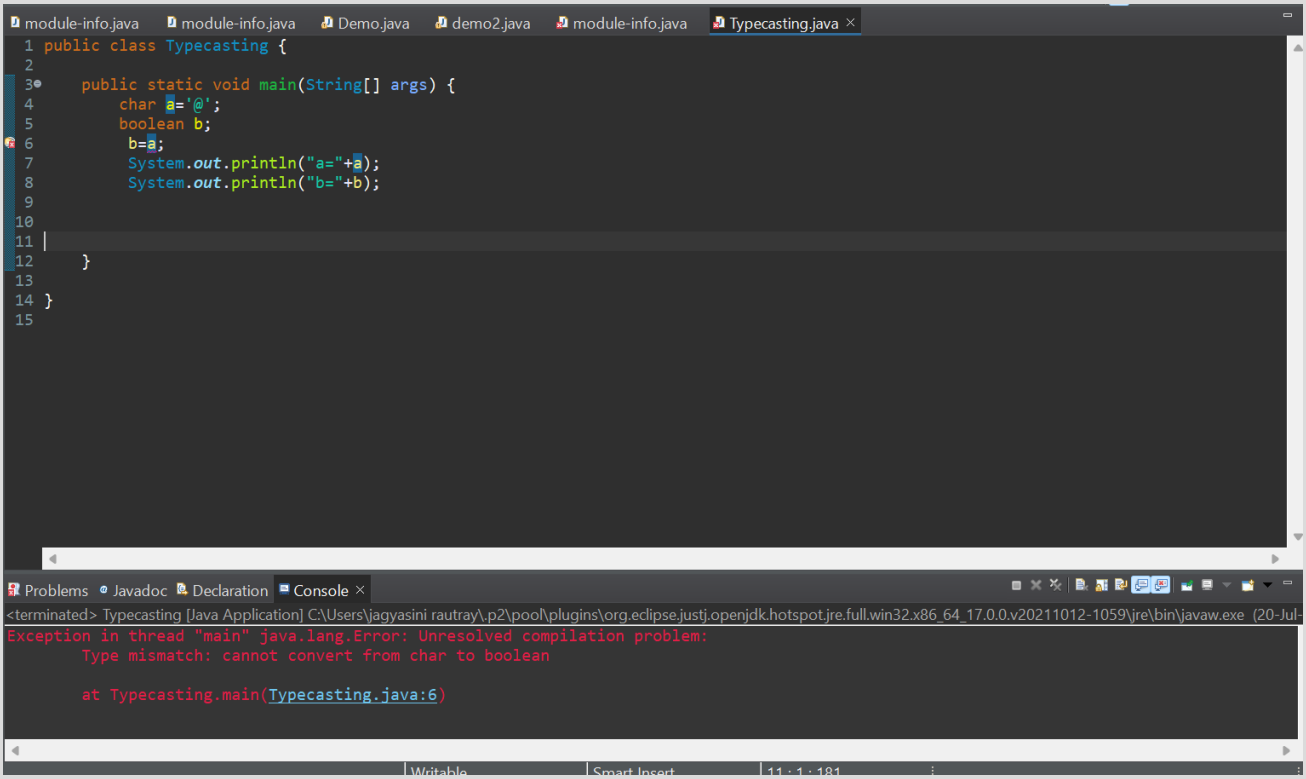
Char to float :



Char to double :

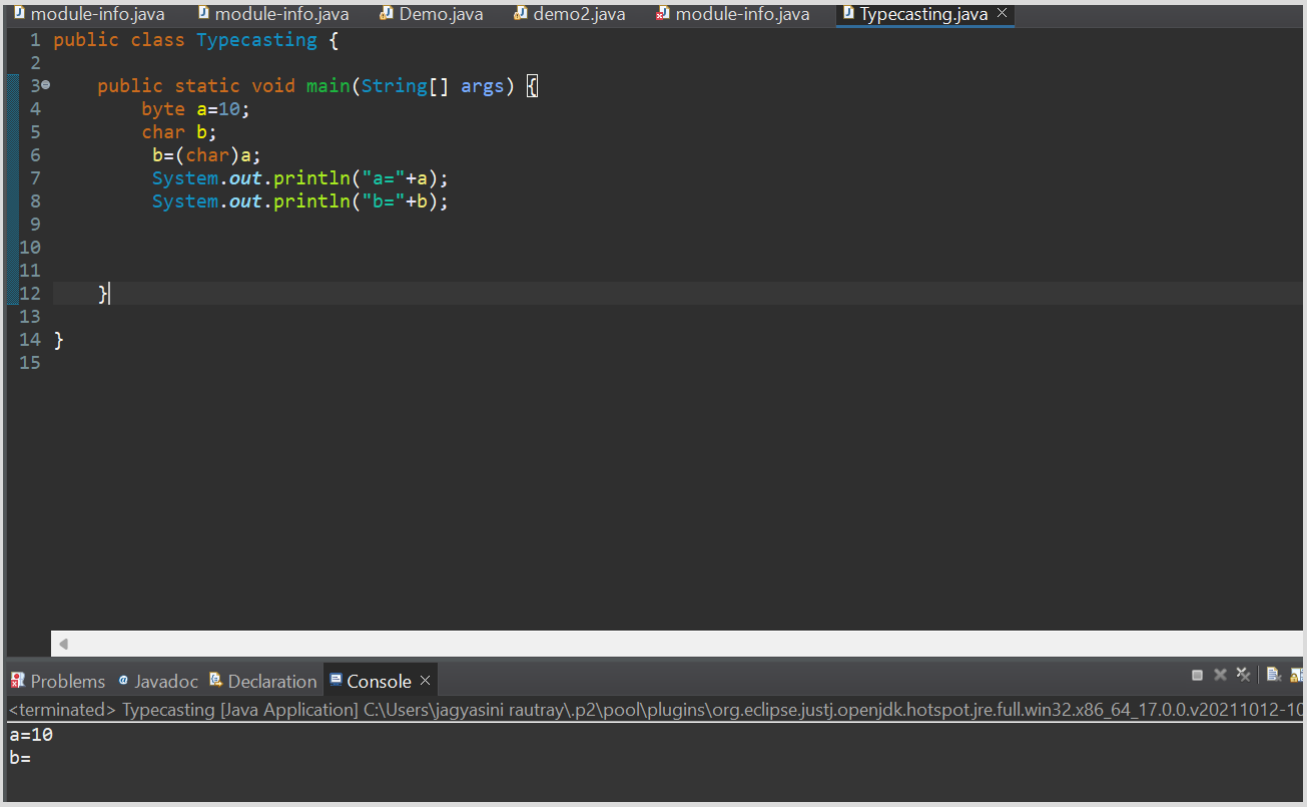


Char to Boolean :



//cannot convert

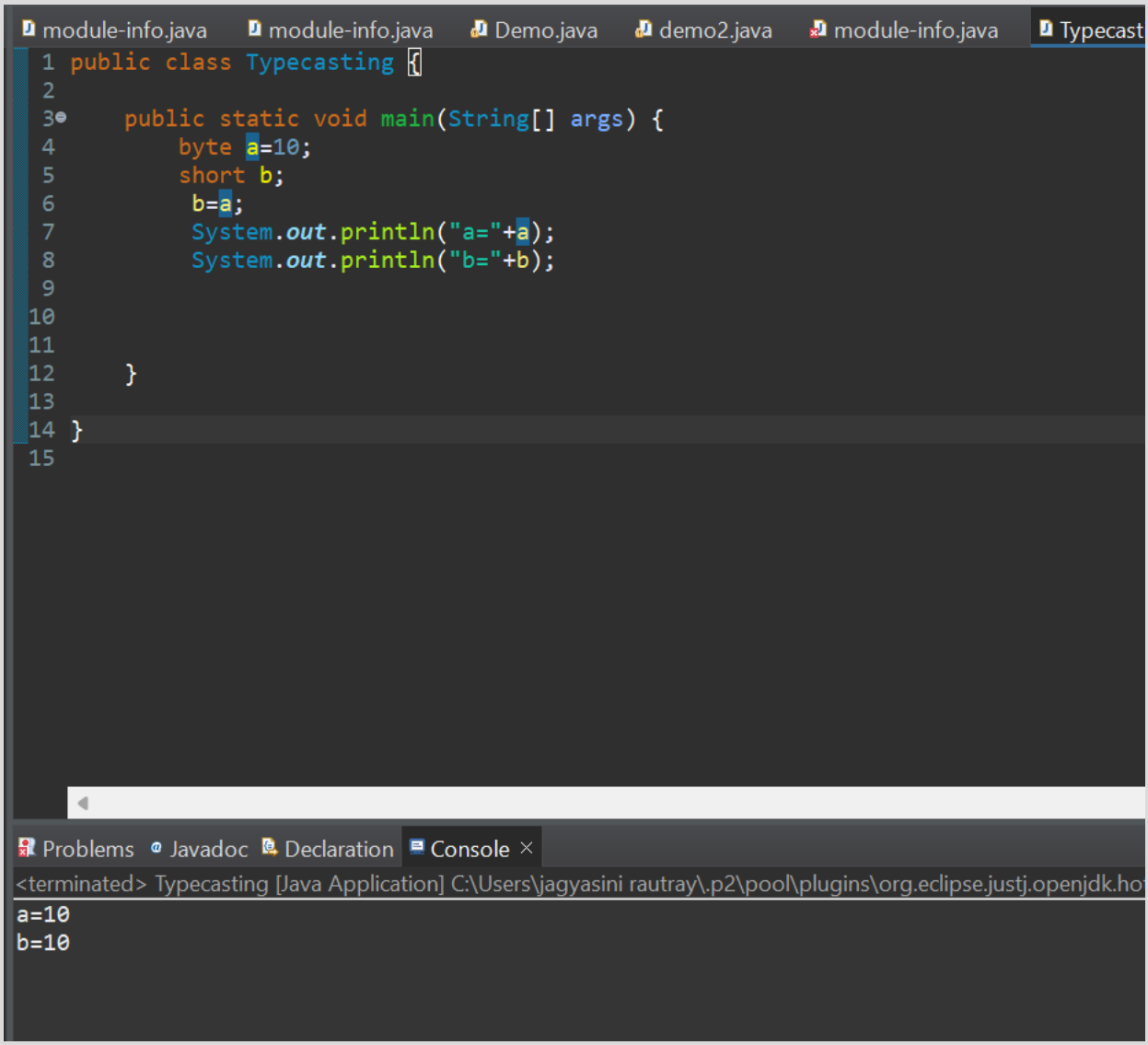
Byte to char:



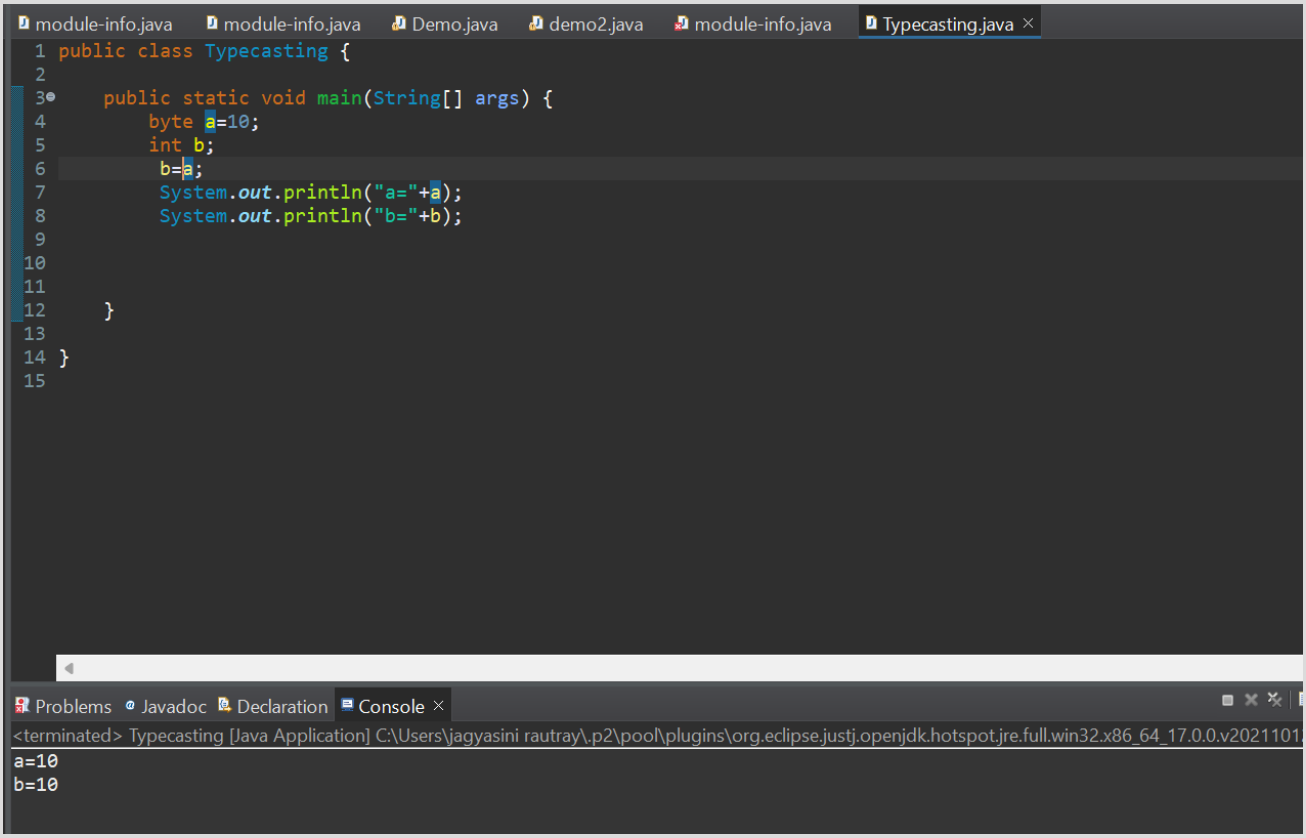
Byte to byte :


module-info.java
module-info.java
Demo.java
demo2.java
module-info.java
Typecasting.java
public class Typecasting {
public static void main(String[] args) {
byte a=10;
byte b;
b=(byte)a;
System.out.println("a="+a);
System.out.println("b="+b);
}
}
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.0.v20211012-
a=10
b=10

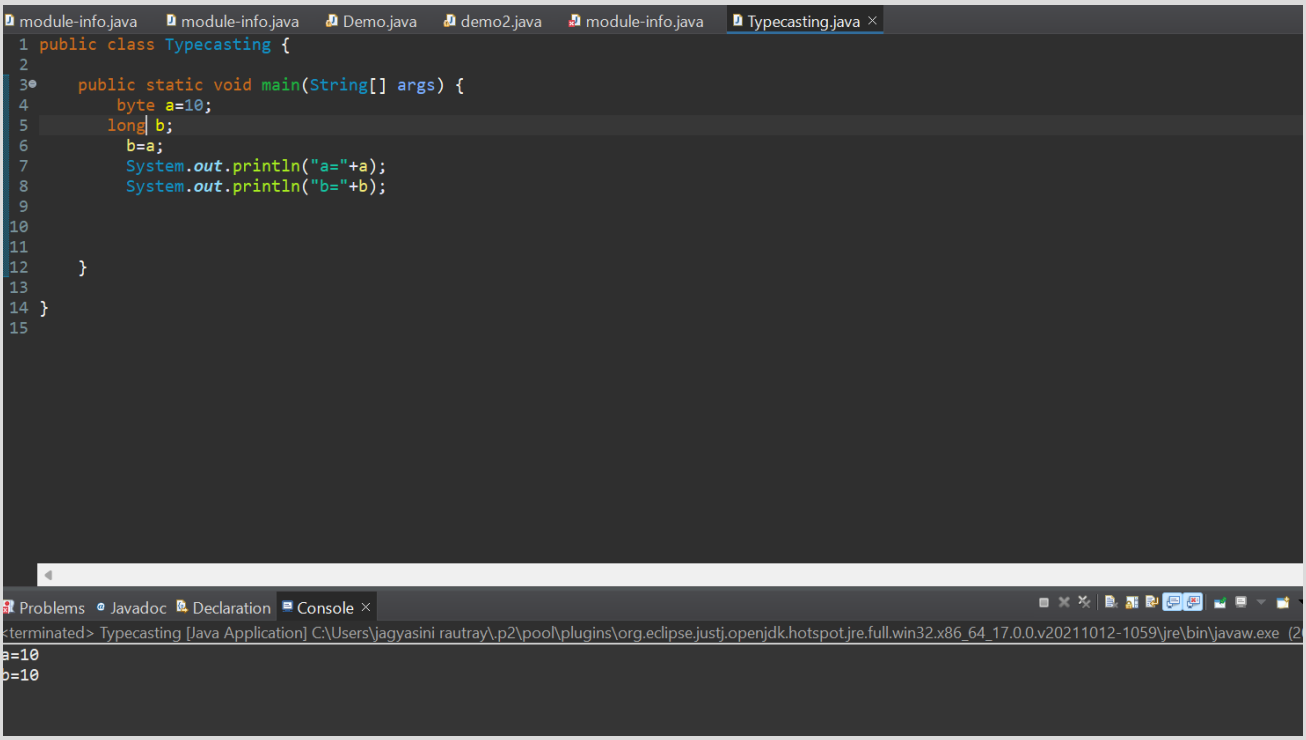
Byte to short:



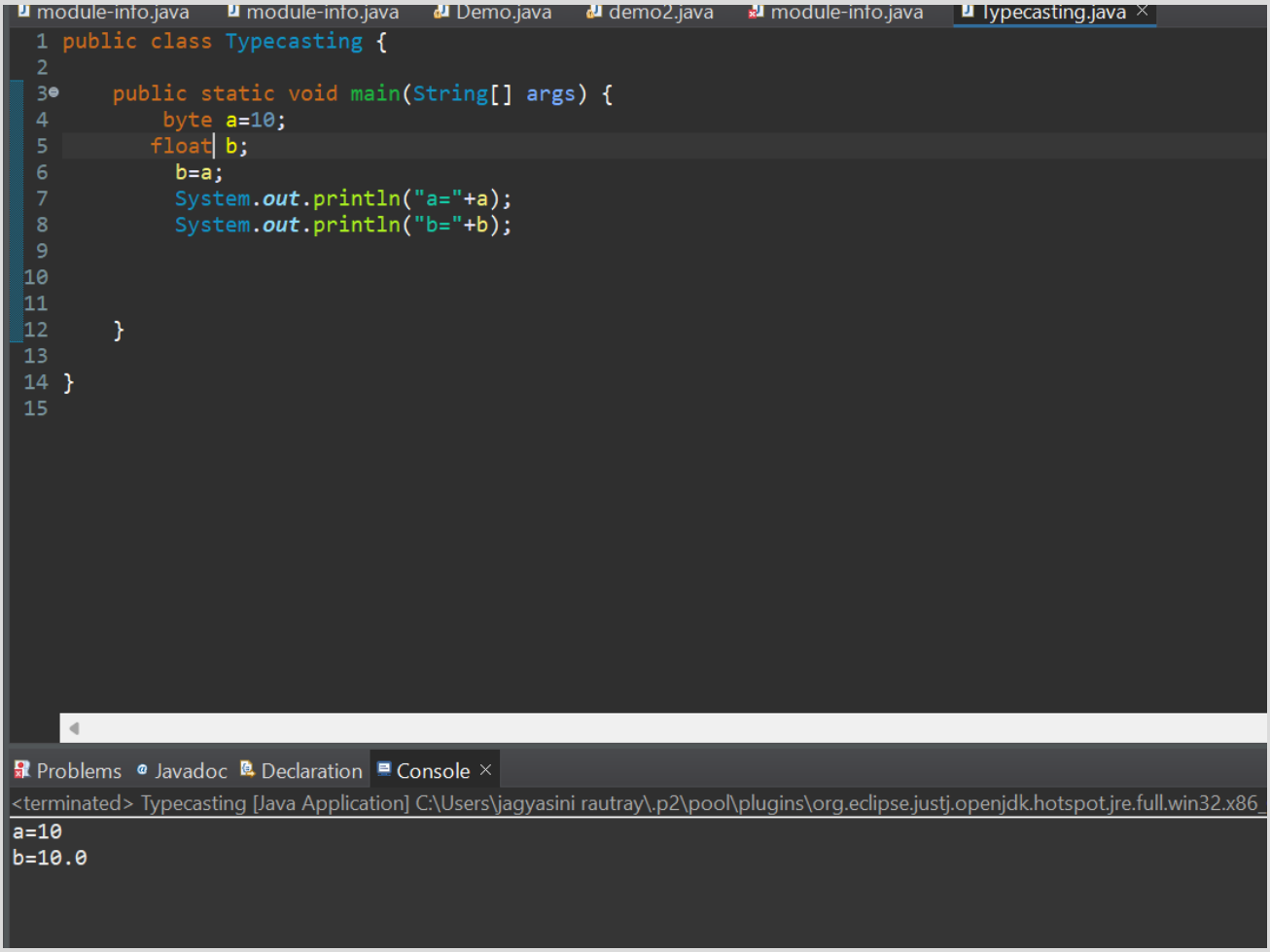
Byte to int:


module-info.java
module-info.java
Demo.java
demo2.java
module-info.java
Typecasting.java
public class Typecasting {
public static void main(String[] args) {
byte a=10;
int b;
b=a;
System.out.println("a="+a);
System.out.println("b="+b);
}
}
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.0.v2021101
a=10
b=10

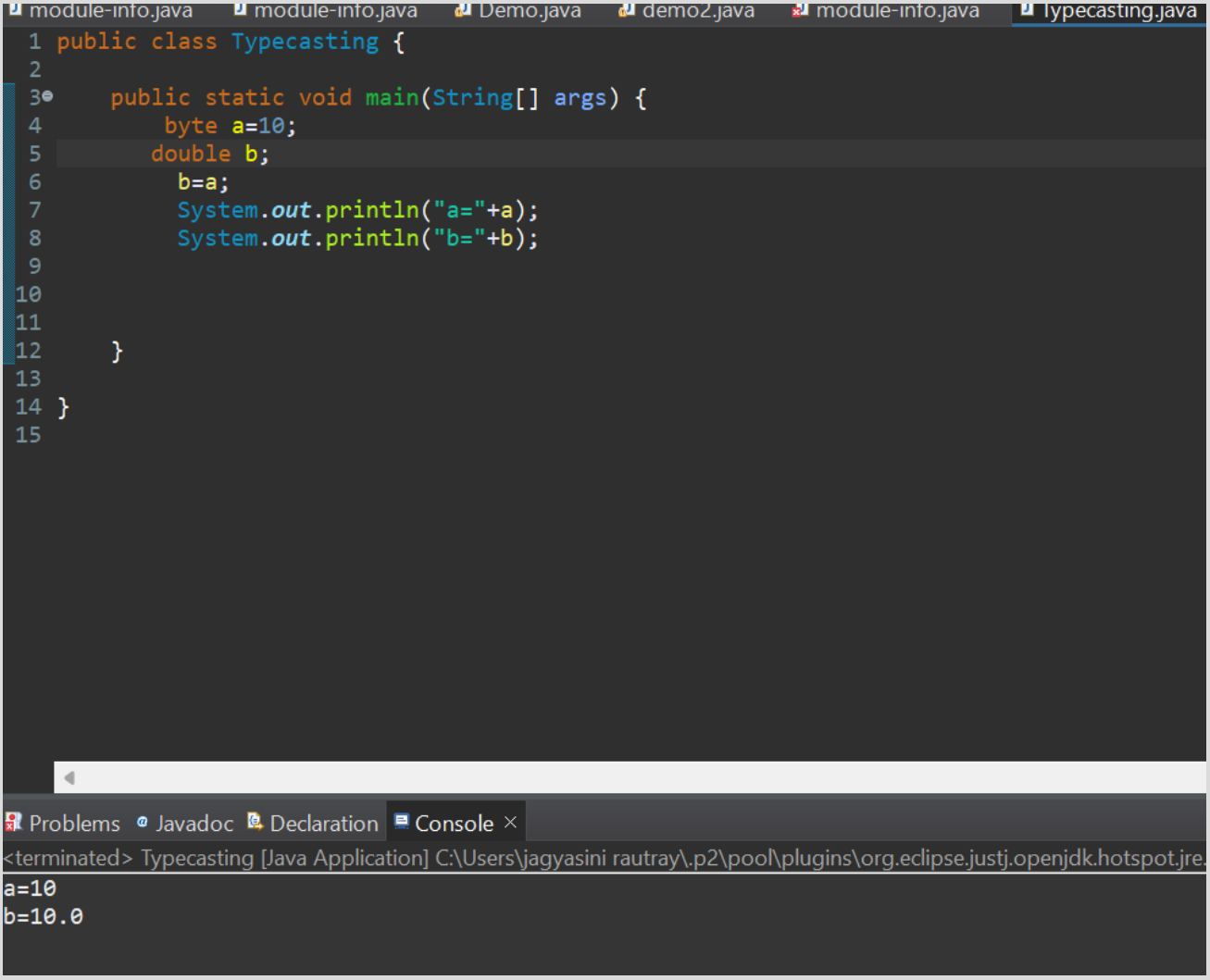
Byte to long:


module-info.java
module-info.java
Demo.java
demo2.java
module-info.java
Typecasting.java
public class Typecasting {
public static void main(String[] args) {
byte a=10;
long b;
b=a;
System.out.println("a="+a);
System.out.println("b="+b);
}
}
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.0.v20211012-1059\jre\bin\javaw.exe
a=10
b=10

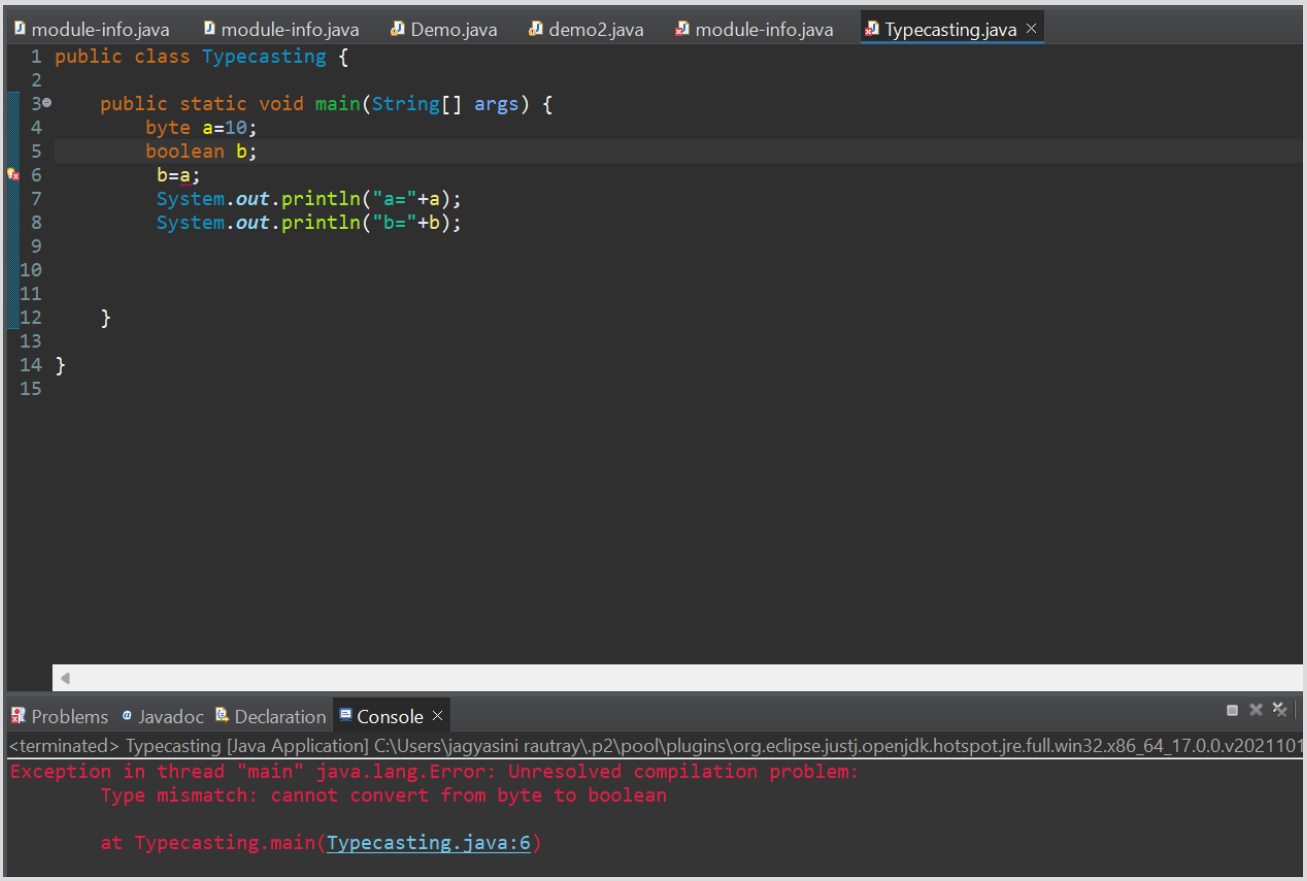
Byte to float:



Byte to double:



Byte to boolean:



//cannot convert

Short to char:

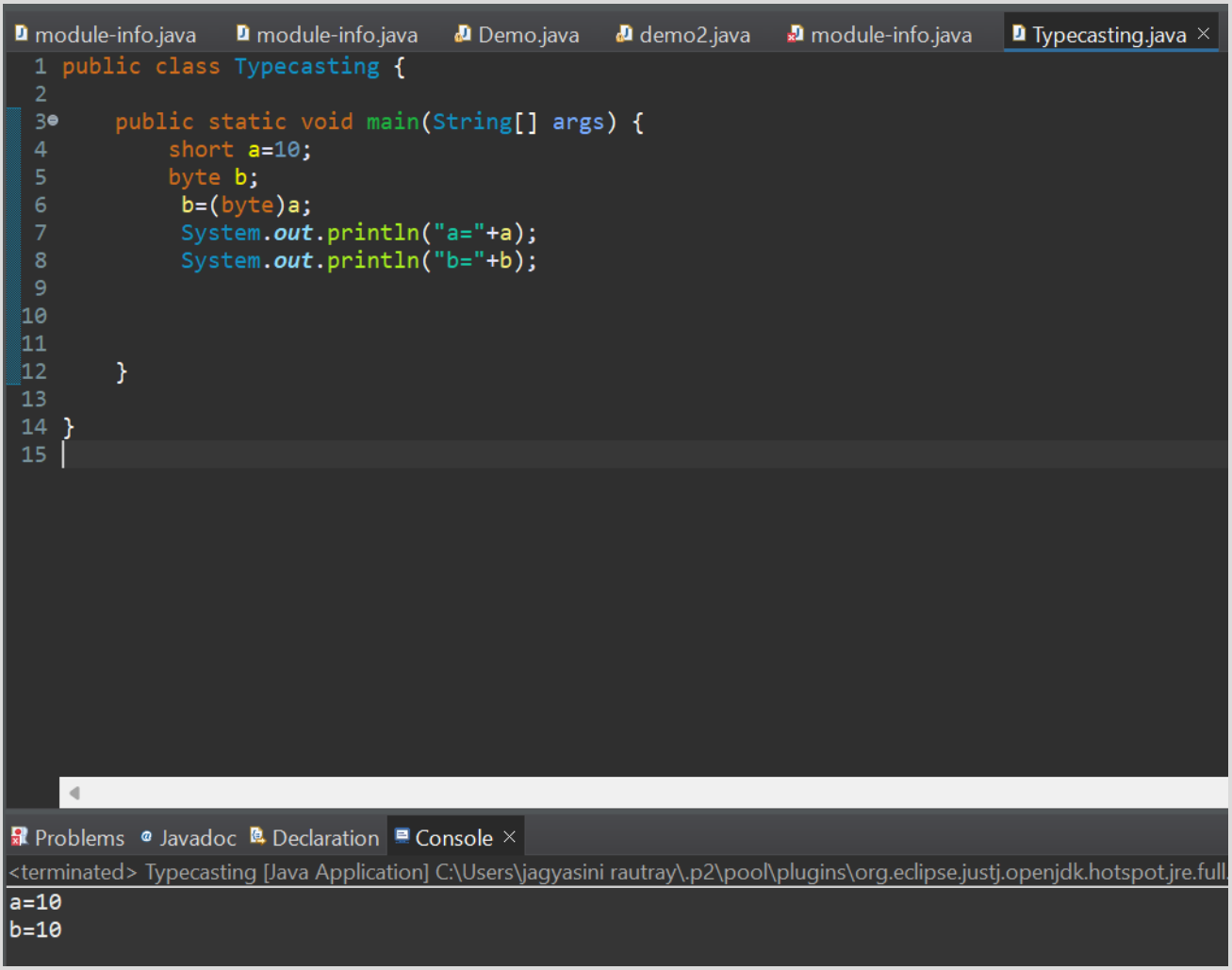
```java
public class Typecasting {

    public static void main(String[] args) {
        short a=10;
        char b;
         b=(char)a;
         System.out.println("a="+a);
         System.out.println("b="+b);



    }

}
```

Problems Javadoc Declaration Console ×

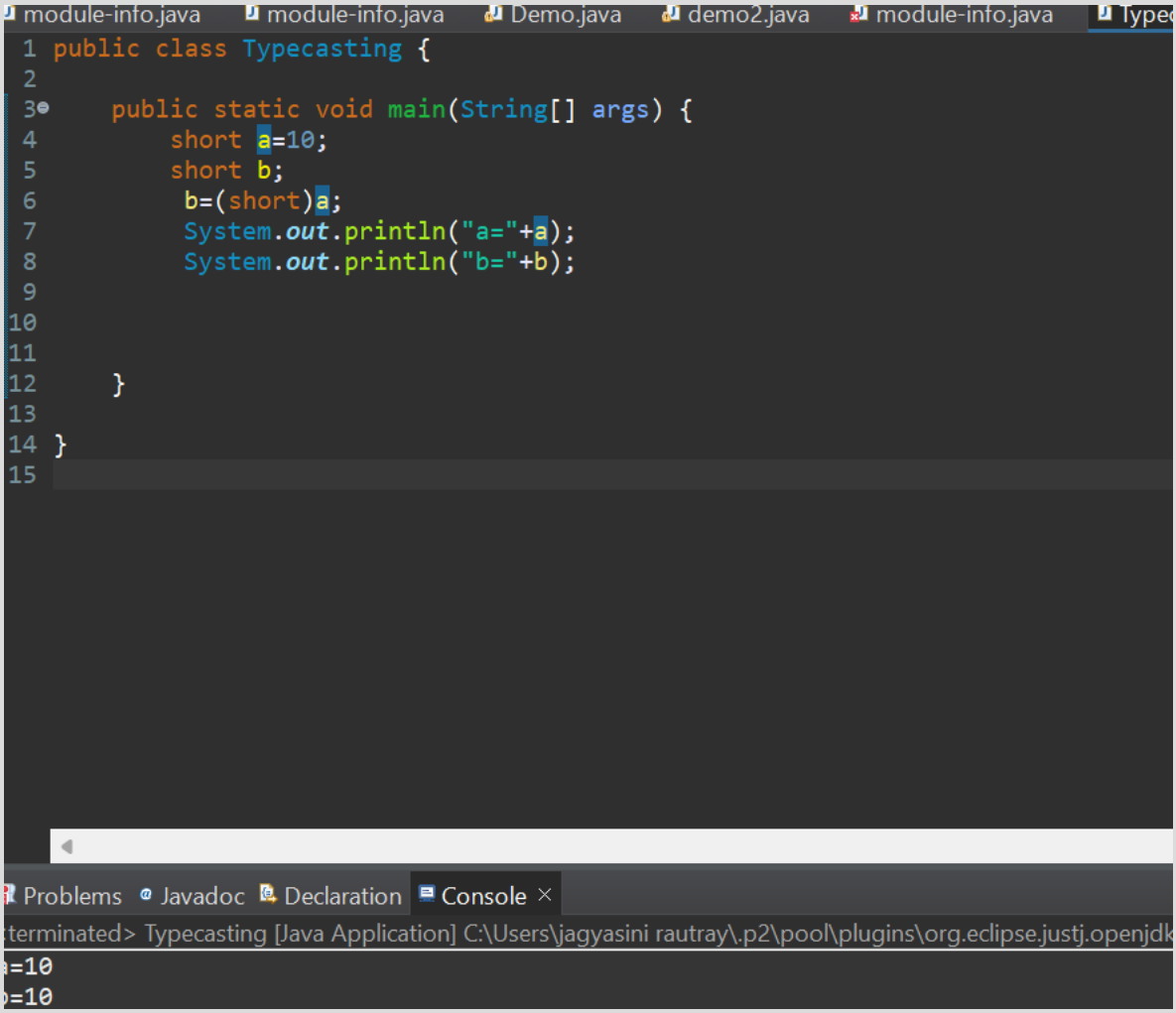
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64

```
a=10
b=
```

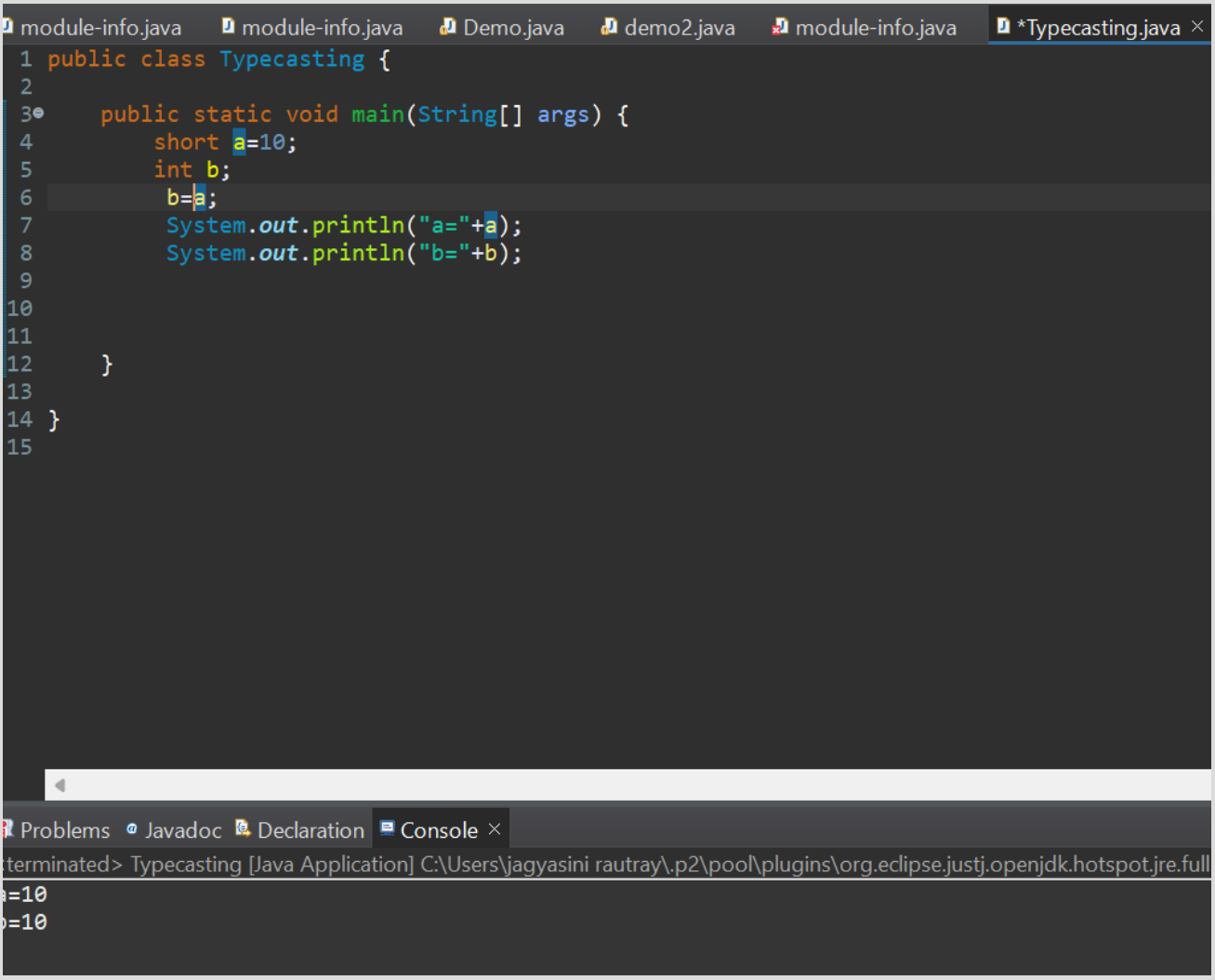
Short to byte:



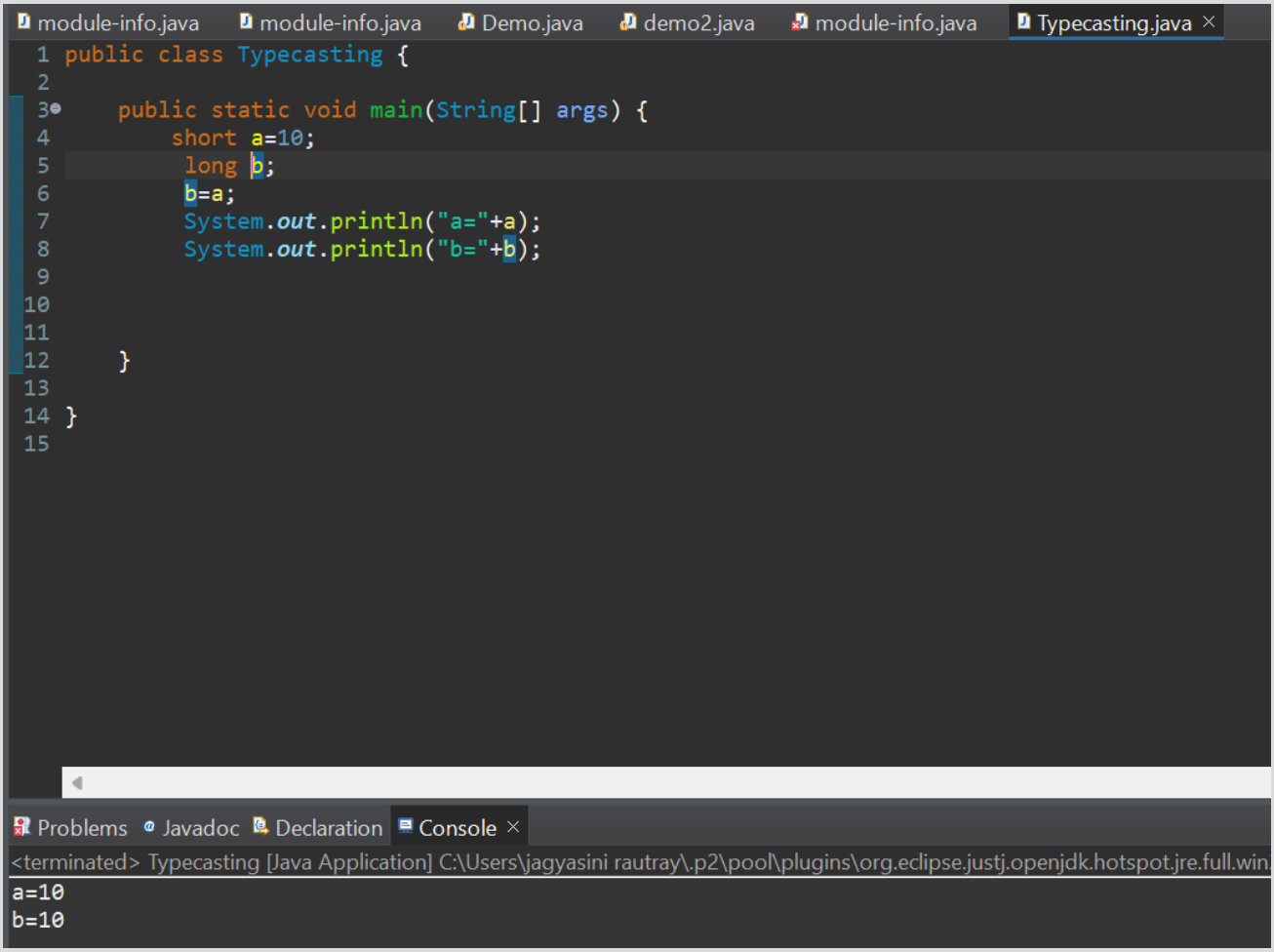
Short to short:



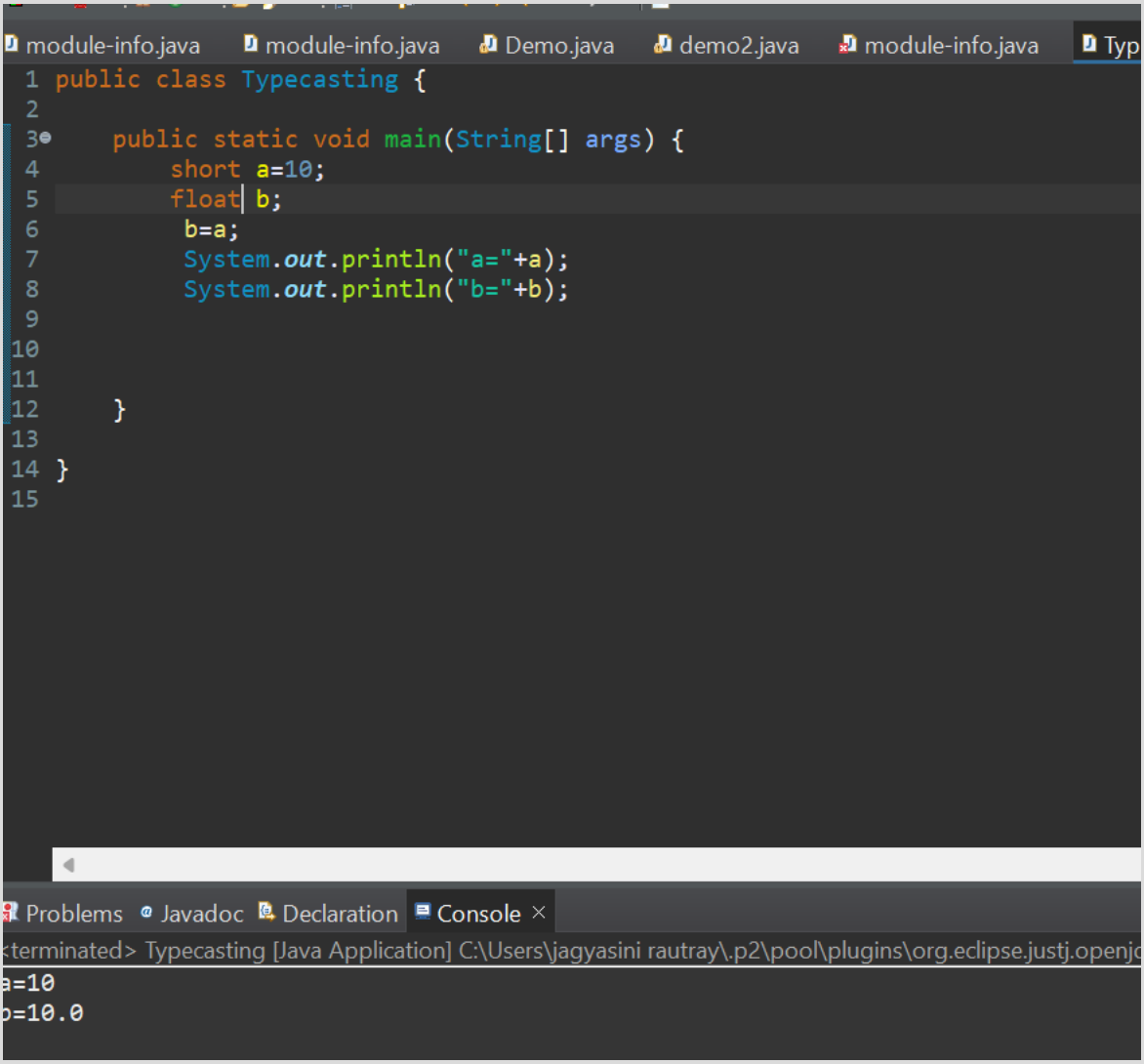
Short to int:


module-info.java
module-info.java
Demo.java
demo2.java
module-info.java
*Typecasting.java
1 public class Typecasting {
2
3 public static void main(String[] args) {
4 short a=10;
5 int b;
6 b=a;
7 System.out.println("a="+a);
8 System.out.println("b="+b);
9
10
11
12 }
13
14 }
15
Problems
Javadoc
Declaration
Console
terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full
a=10
b=10

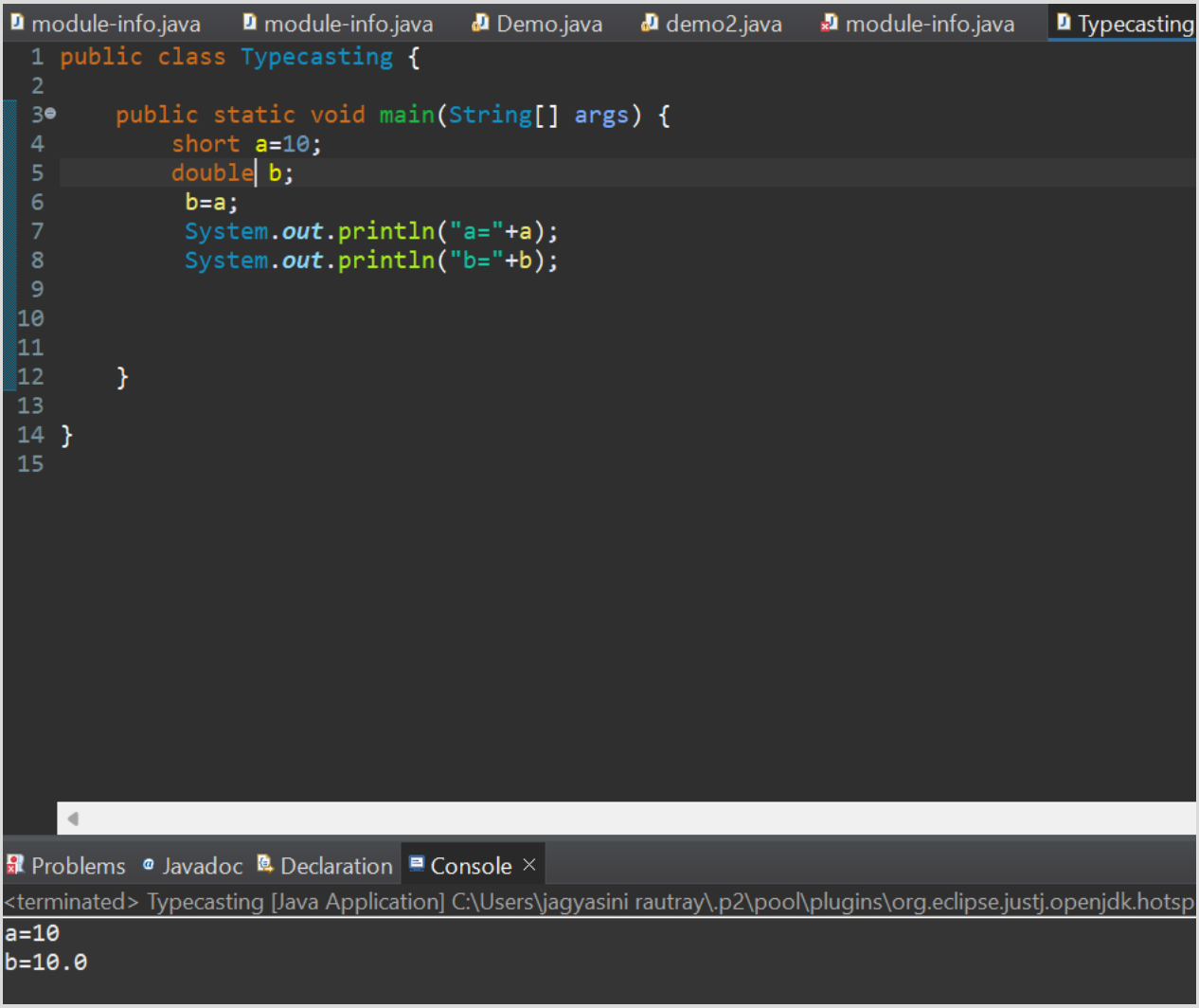
Short to long:



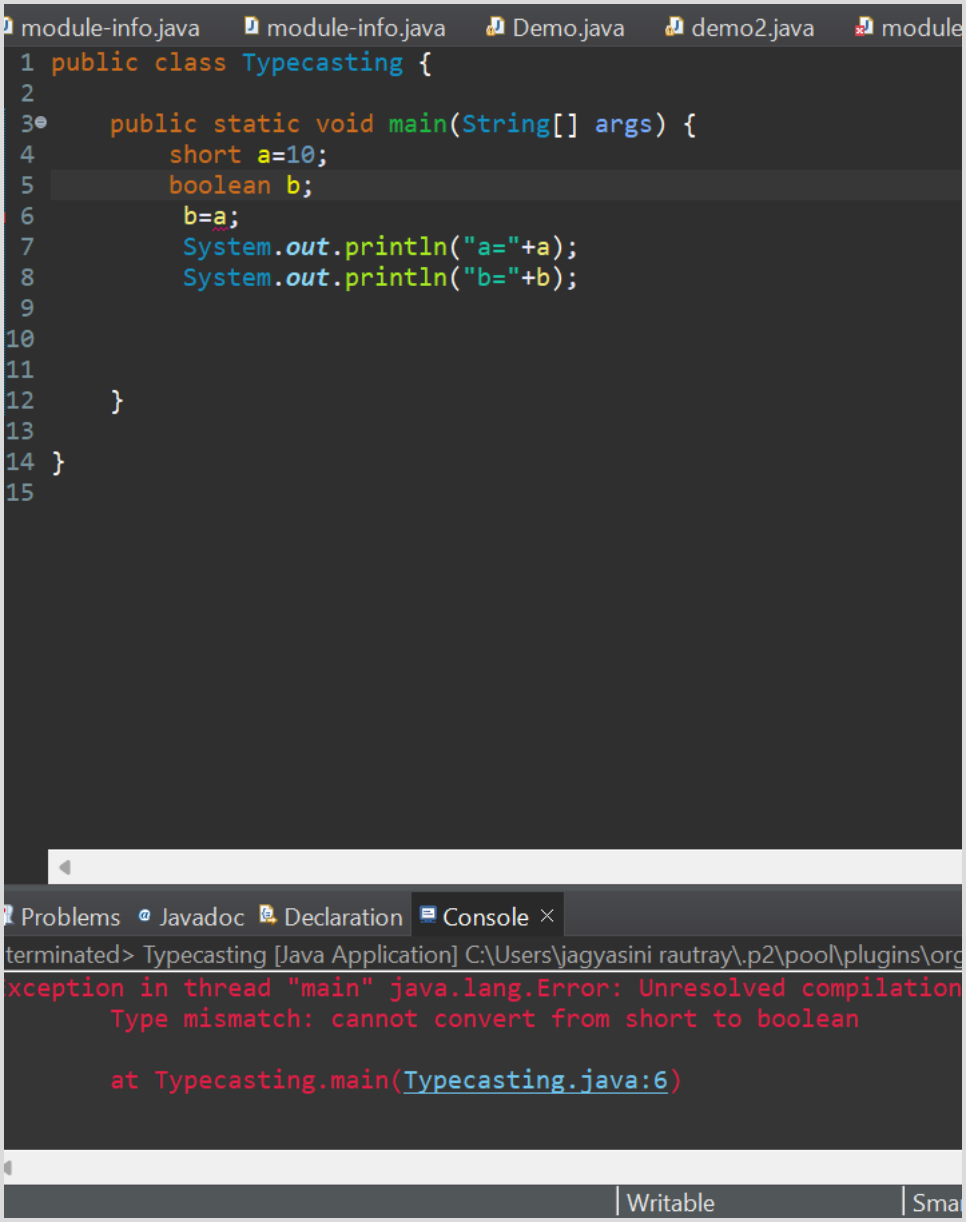
Short to float:



Short to double:



Short to Boolean:



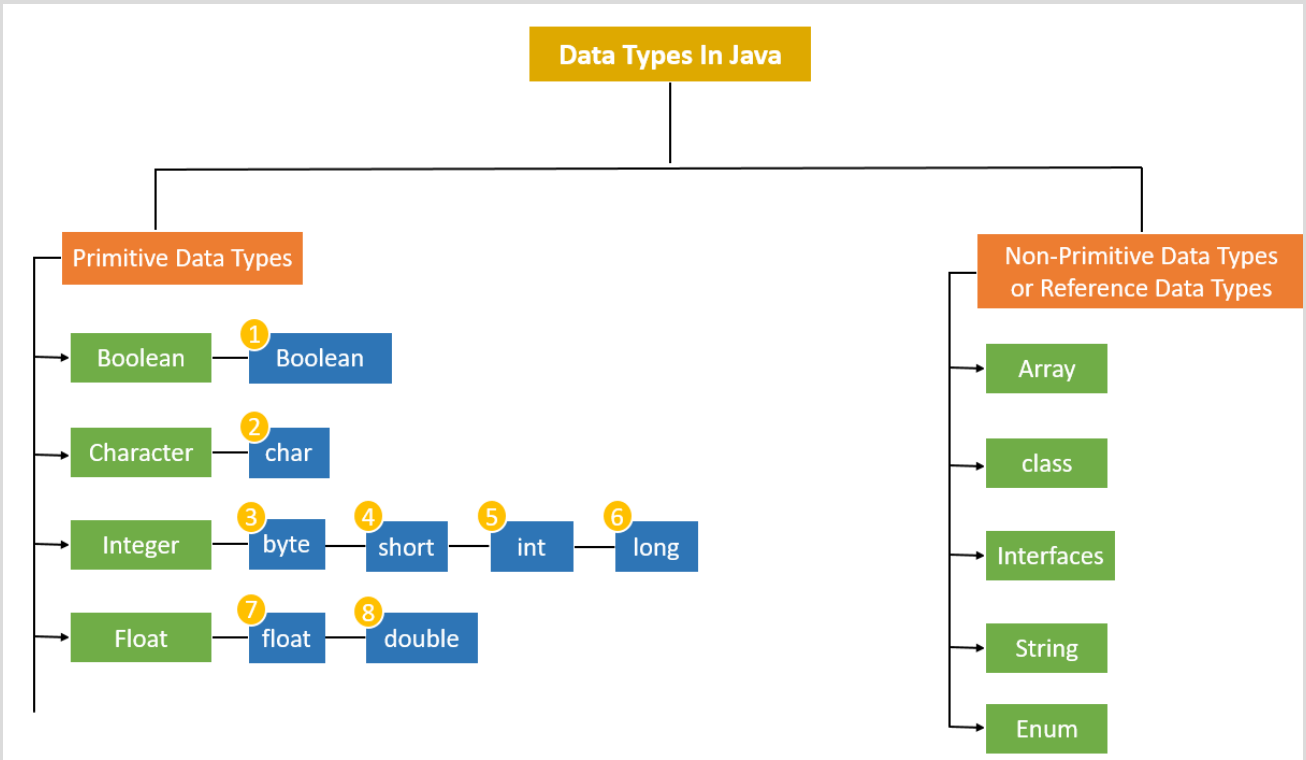
//cannot convert

JAVA

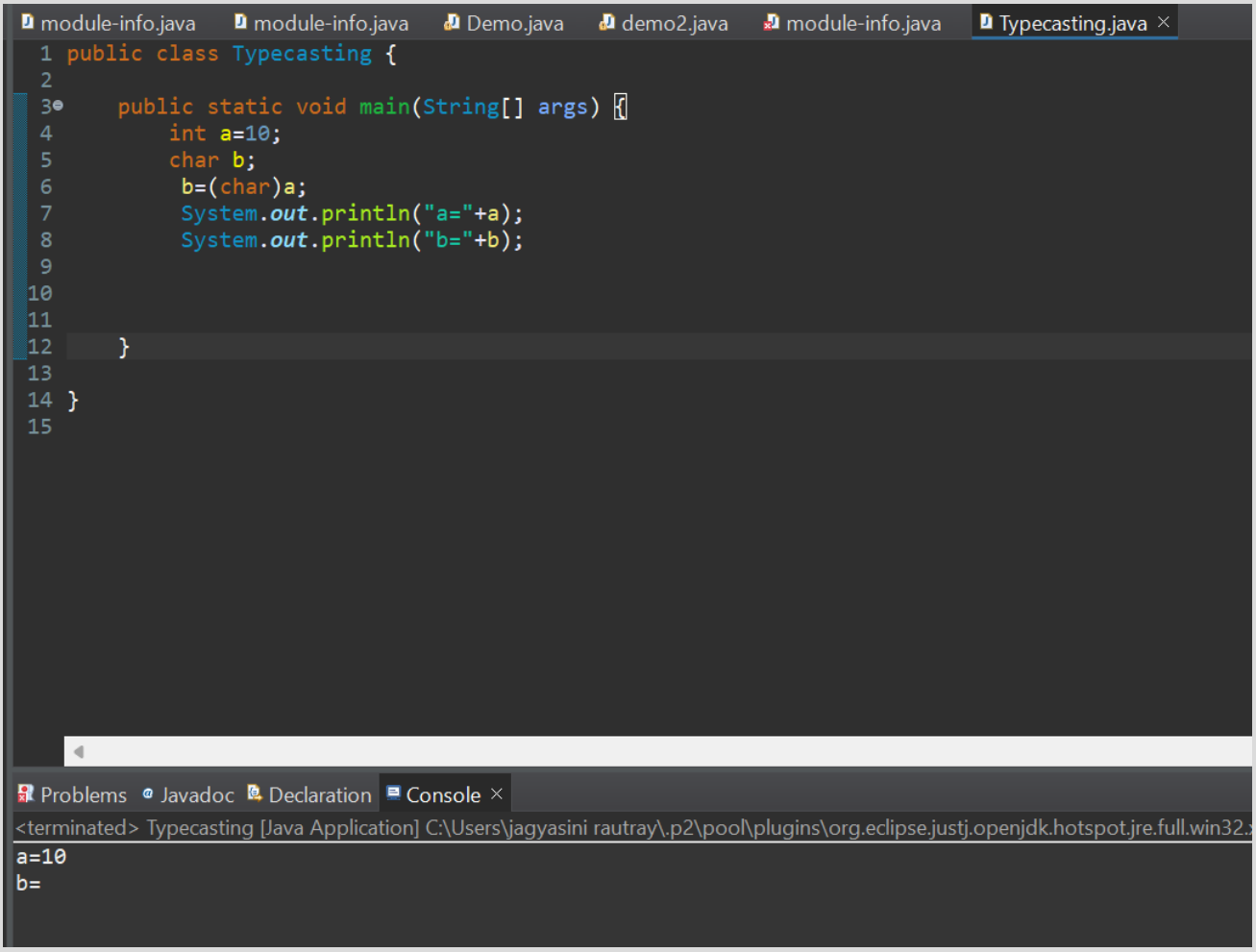
TYPECASTING

Story is all about these cup and saucer, what it is about? Will conclude soon….

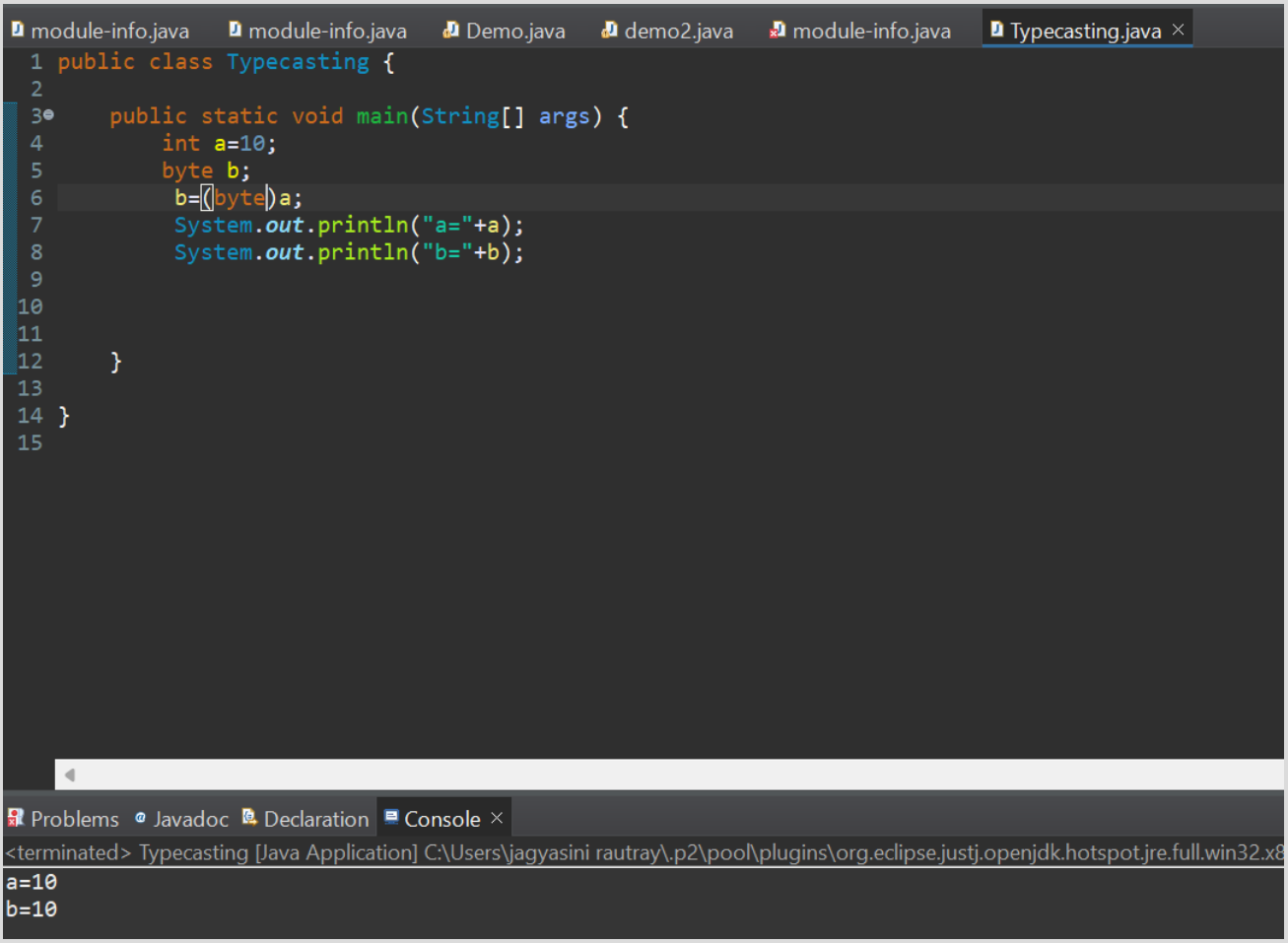
Starting from these cute data types sadley they are not



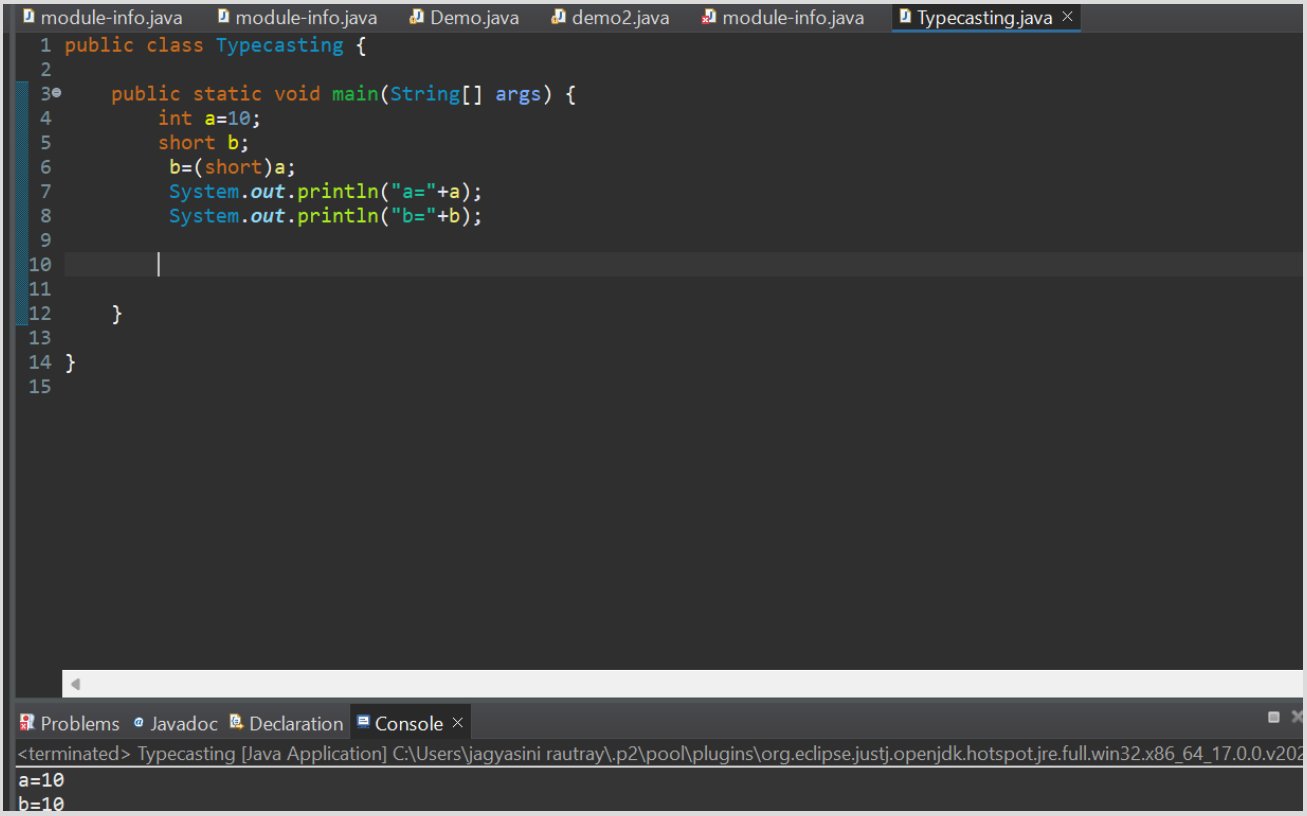
Int to char:


module-info.java
module-info.java
Demo.java
demo2.java
module-info.java
Typecasting.java
1 public class Typecasting {
2
3 public static void main(String[] args) {
4 int a=10;
5 char b;
6 b=(char)a;
7 System.out.println("a="+a);
8 System.out.println("b="+b);
9
10
11
12 }
13
14 }
15
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.
a=10
b=

Int to byte:


module-info.java
module-info.java
Demo.java
demo2.java
module-info.java
Typecasting.java
1 public class Typecasting {
2
3 public static void main(String[] args) {
4 int a=10;
5 byte b;
6 b=(byte)a;
7 System.out.println("a="+a);
8 System.out.println("b="+b);
9
10
11
12 }
13
14 }
15
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x8
a=10
b=10

Int to short:


module-info.java
module-info.java
Demo.java
demo2.java
module-info.java
Typecasting.java
1 public class Typecasting {
2
3 public static void main(String[] args) {
4 int a=10;
5 short b;
6 b=(short)a;
7 System.out.println("a="+a);
8 System.out.println("b="+b);
9
10
11
12 }
13
14 }
15
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.0.v202
a=10
b=10

Int to int:

module-info.java | module-info.java | Demo.java | demo2.java | module-info.java | Typecasting.java

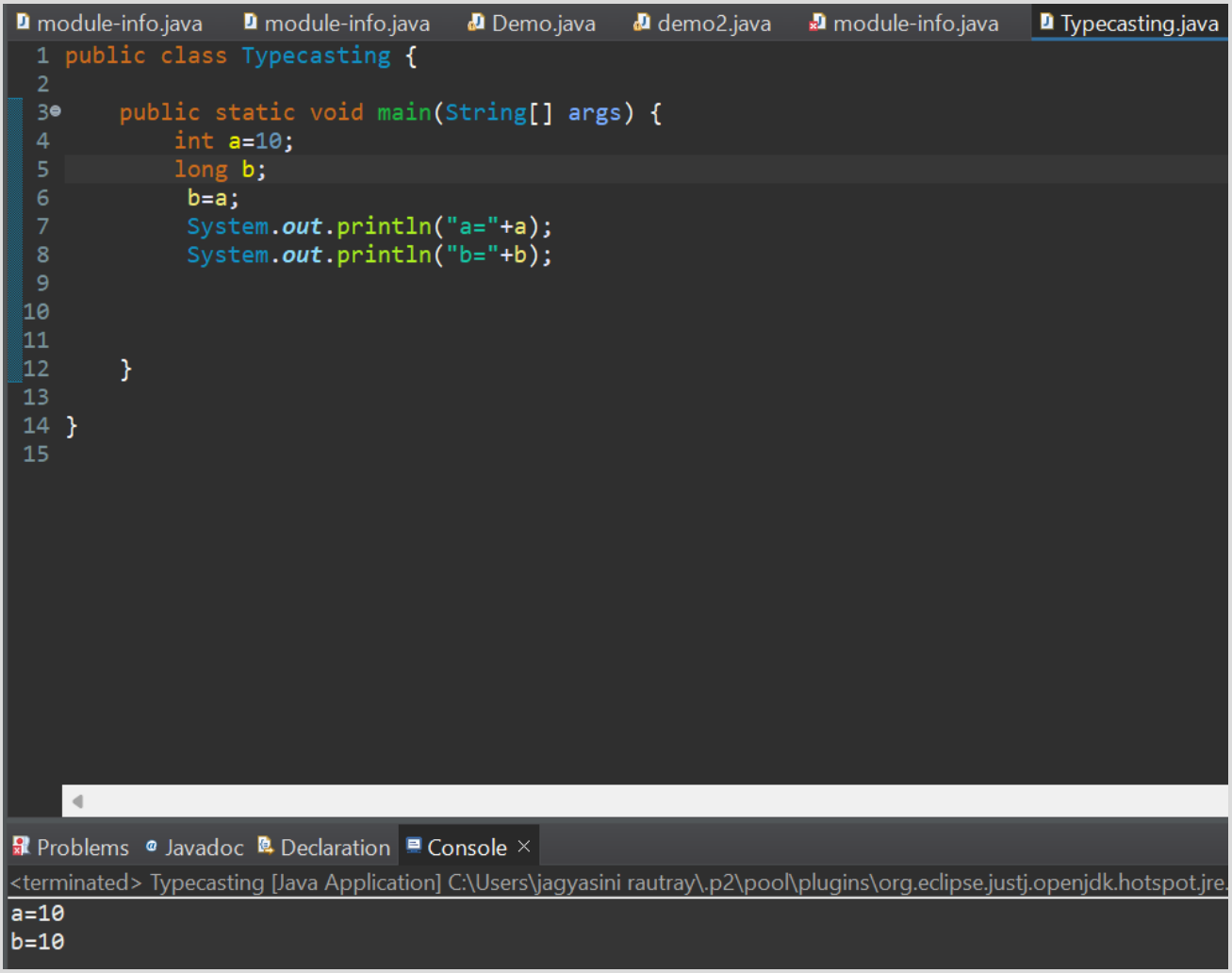
```
1  public class Typecasting {
2
3      public static void main(String[] args) {
4          int a=10;
5          int b;
6           b=a;
7           System.out.println("a="+a);
8           System.out.println("b="+b);
9
10
11
12     }
13
14 }
15
```

Problems | Javadoc | Declaration | Console

<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.

```
a=10
b=10
```

Int to long:



Int to float:


module-info.java
module-info.java
Demo.java
demo2.java
public class Typecasting {
public static void main(String[] args) {
int a=10;
float b;
b=a;
System.out.println("a="+a);
System.out.println("b="+b);
}
}
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\
a=10
b=10.0

Int to double:

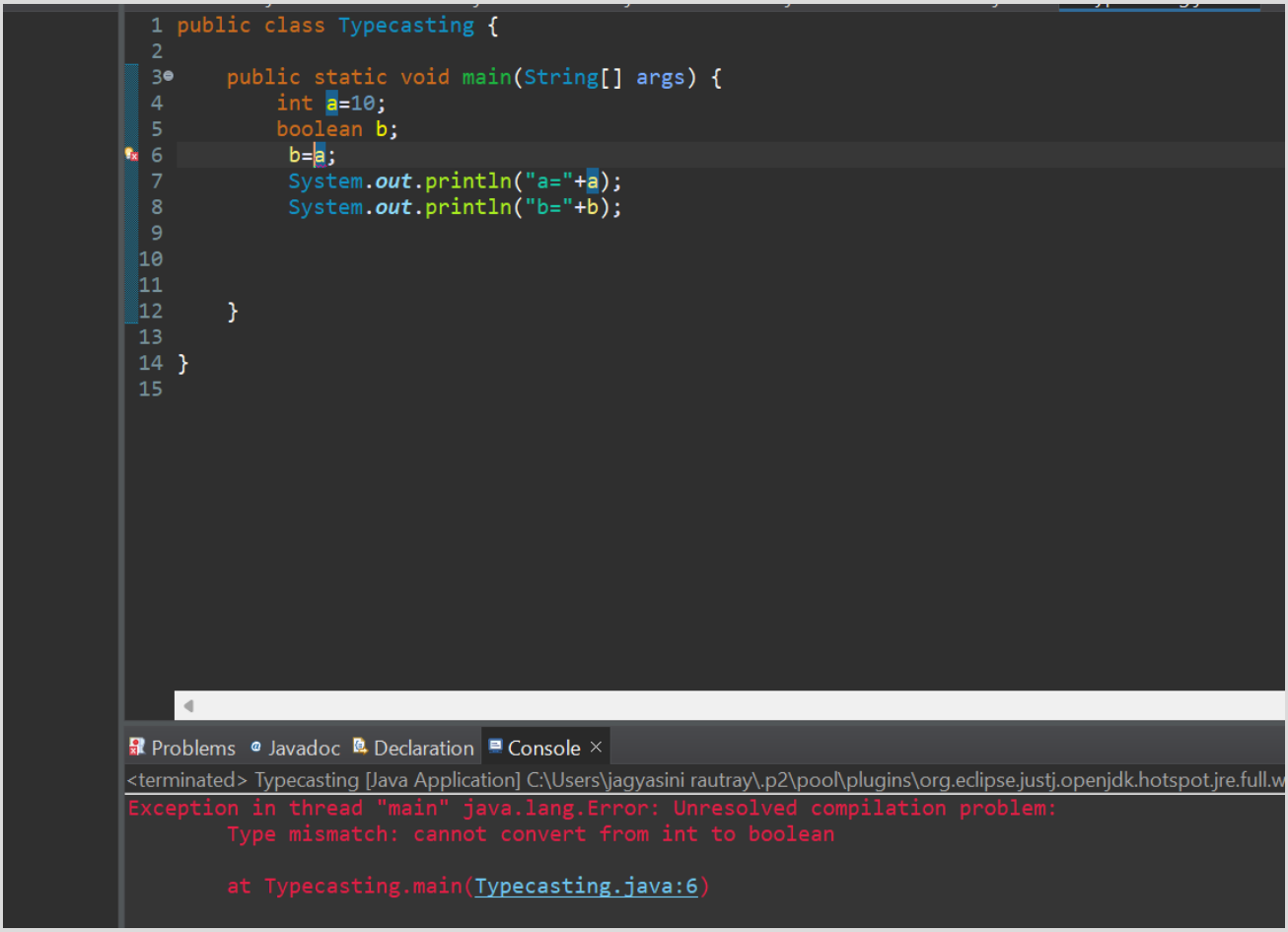
```java
public class Typecasting {

    public static void main(String[] args) {
        int a=10;
        double b;
         b=a;
         System.out.println("a="+a);
         System.out.println("b="+b);


    }

}
```

Problems Javadoc Declaration Console ×

<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.

```
a=10
b=10.0
```

Int to Boolean:



//cannot convert

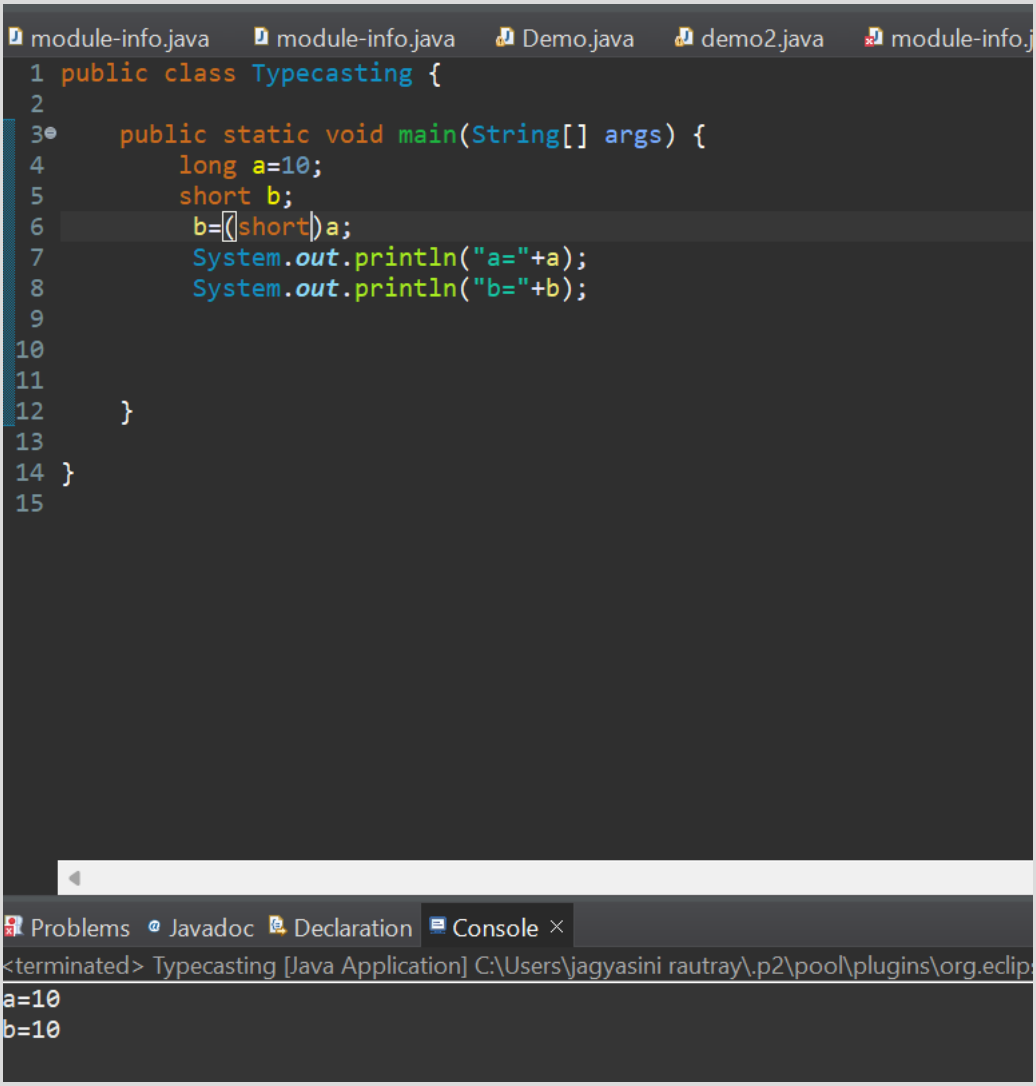
Long to char:


module-info.java
module-info.java
Demo.java
demo2.java
1 public class Typecasting {
2
3 public static void main(String[] args) {
4 long a=10;
5 char b;
6 b=(char)a;
7 System.out.println("a="+a);
8 System.out.println("b="+b);
9
10
11
12 }
13
14 }
15
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\
a=10
b=

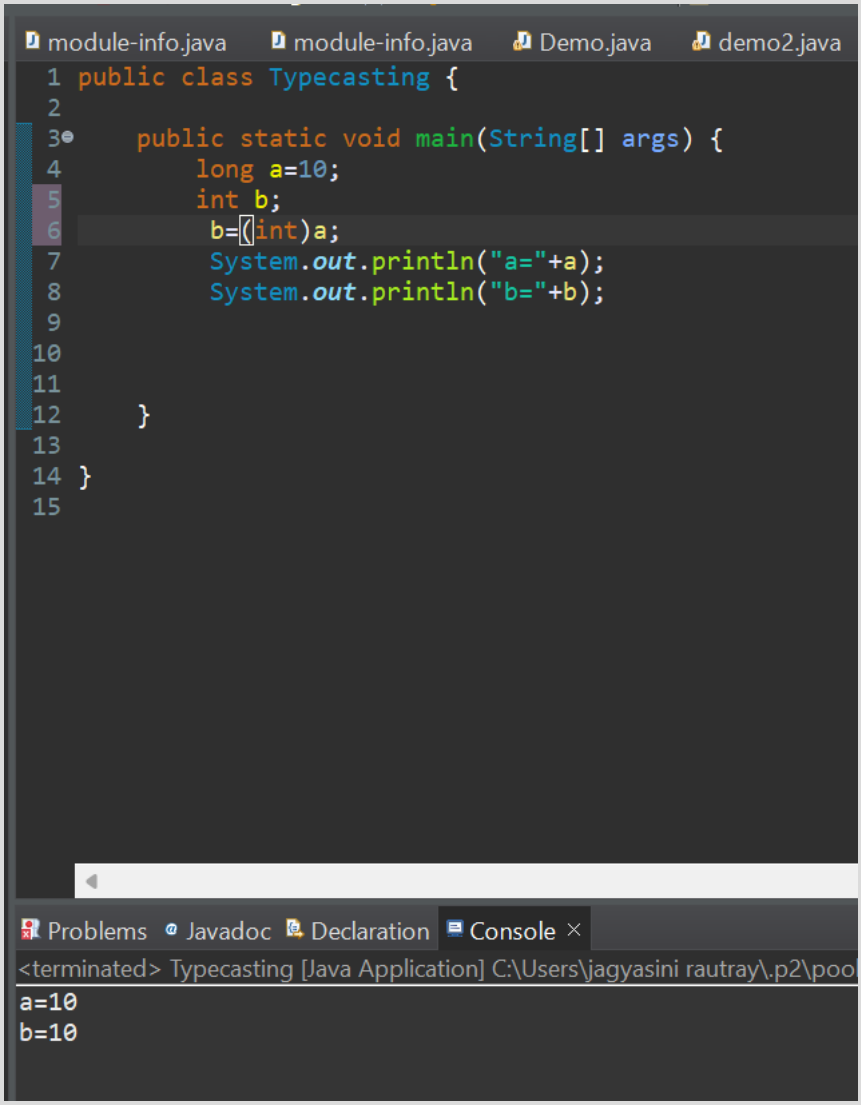
Long to byte:


module-info.java
module-info.java
Demo.java
demo2.java
1 public class Typecasting {
2
3 public static void main(String[] args) {
4 long a=10;
5 byte b;
6 b=(byte)a;
7 System.out.println("a="+a);
8 System.out.println("b="+b);
9
10
11
12 }
13
14 }
15
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plug
a=10

Long to short:



Long to int:


module-info.java
module-info.java
Demo.java
demo2.java
1 public class Typecasting {
2
3 public static void main(String[] args) {
4 long a=10;
5 int b;
6 b=(int)a;
7 System.out.println("a="+a);
8 System.out.println("b="+b);
9
10
11
12 }
13
14 }
15
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool
a=10
b=10

Long to long:

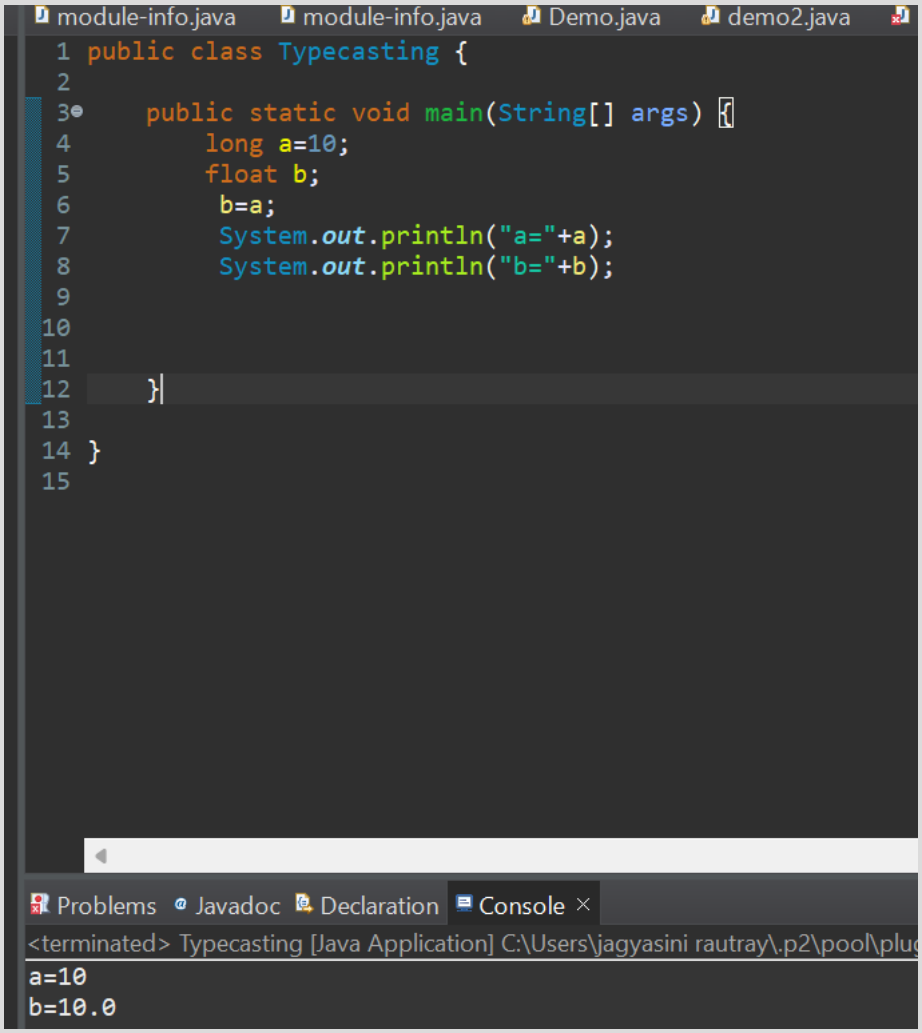
```java
public class Typecasting {

    public static void main(String[] args) {
        long a=10;
        long b;
         b=(long)a;
         System.out.println("a="+a);
         System.out.println("b="+b);



    }

}
```

Problems Javadoc Declaration Console ×

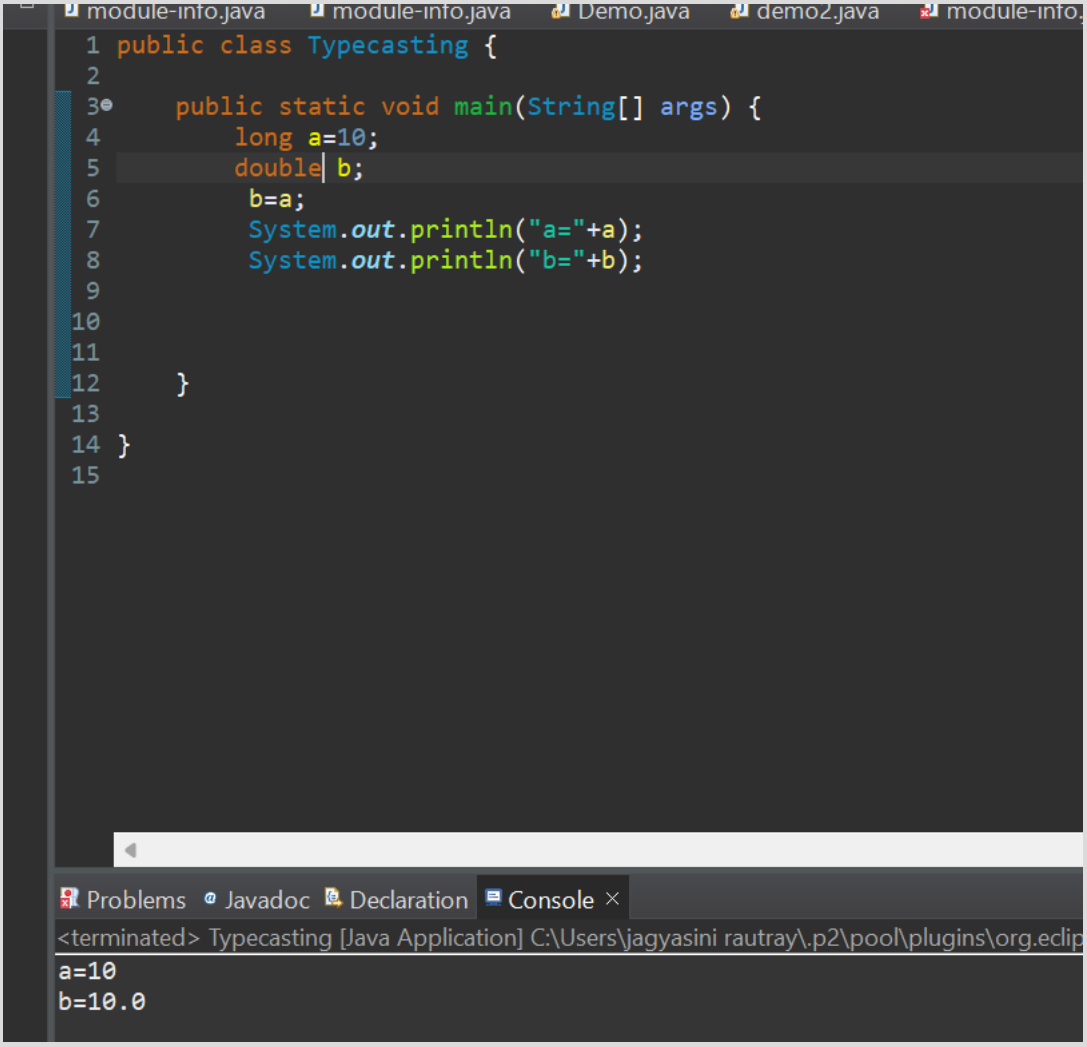
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.ec

```
a=10
b=10
```

Long to float:

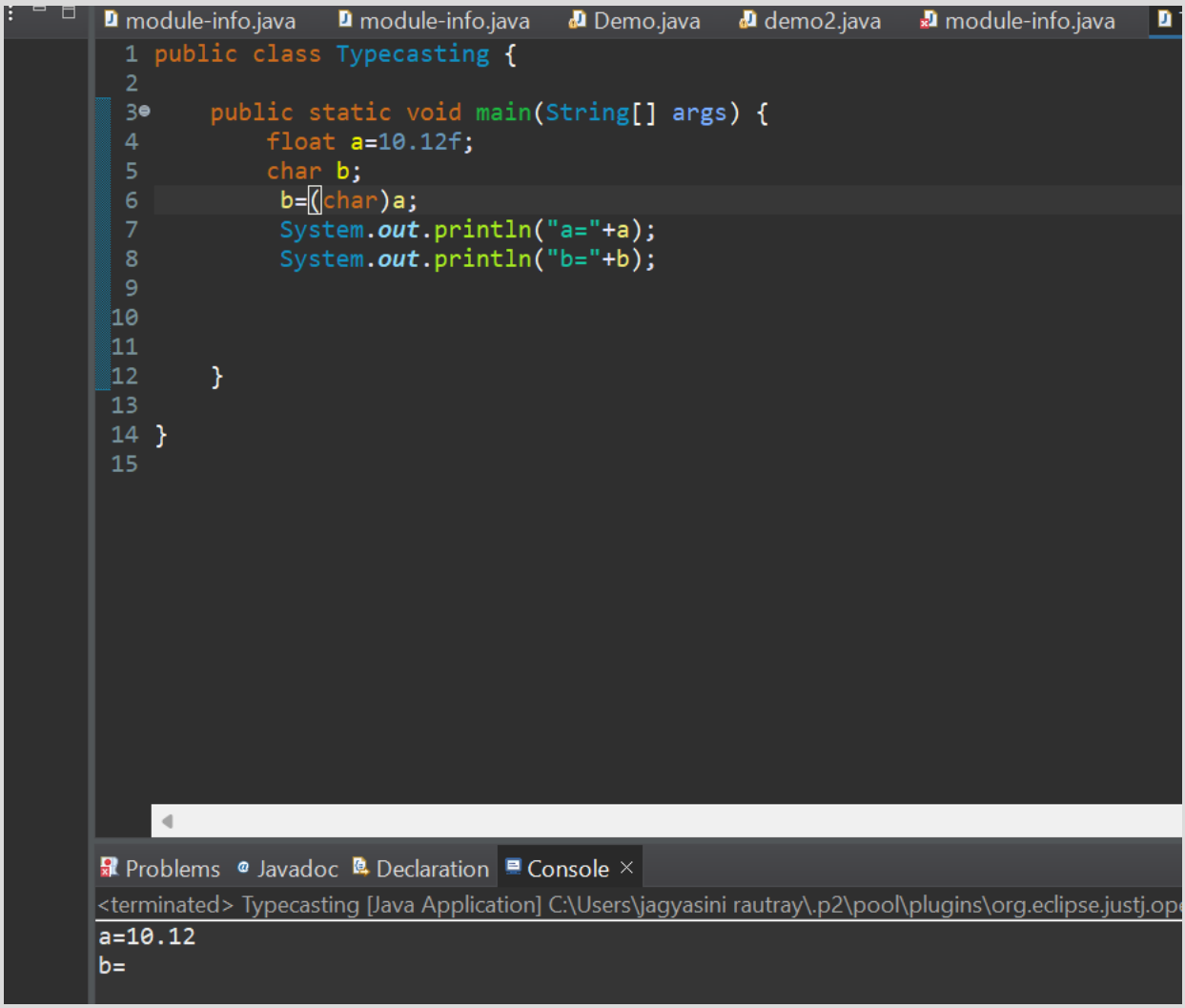


Long to double:

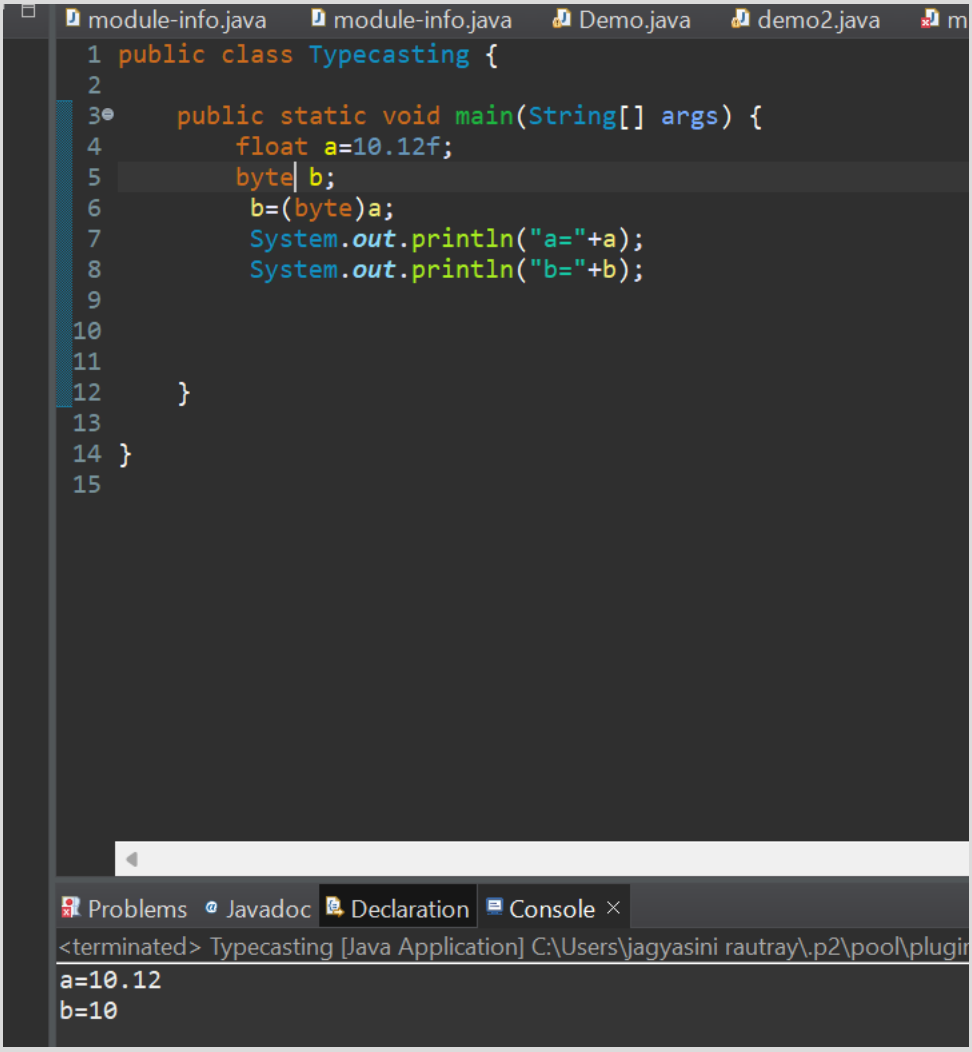


Long to Boolean:

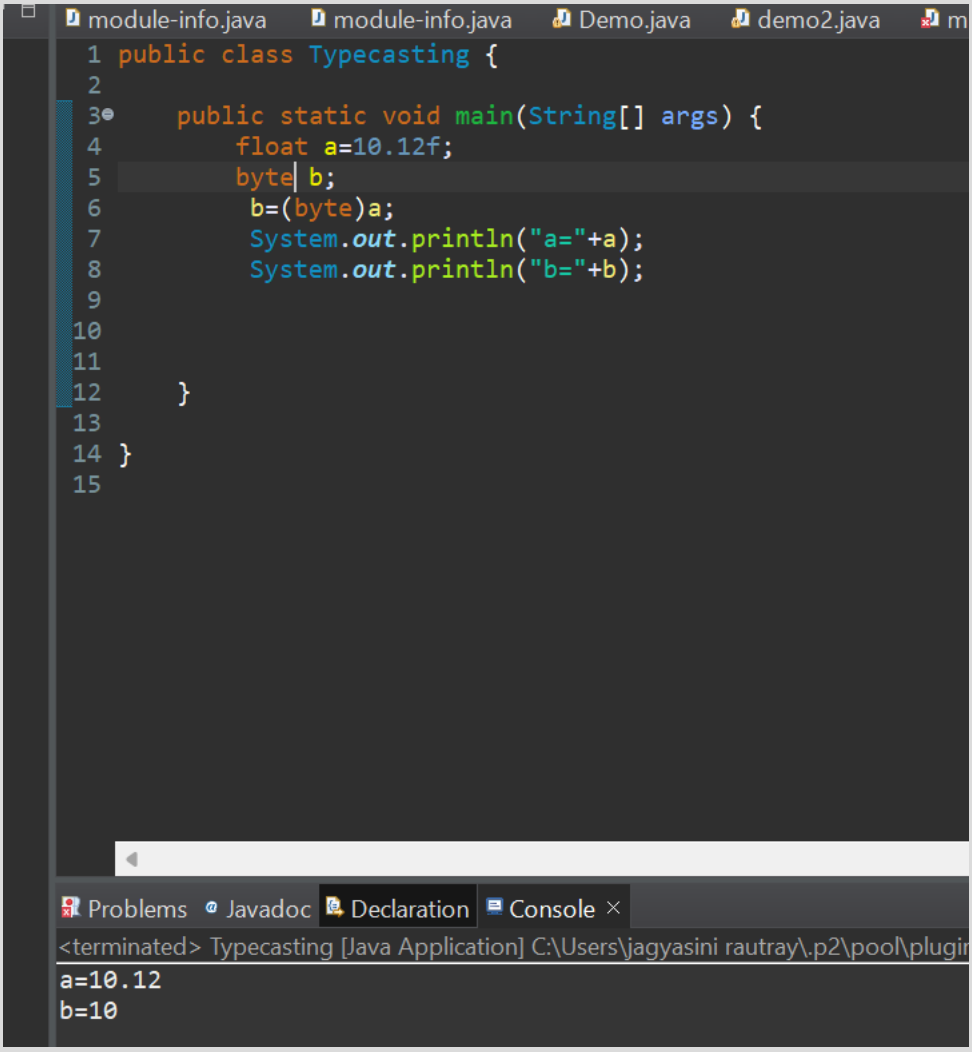
Float to char:



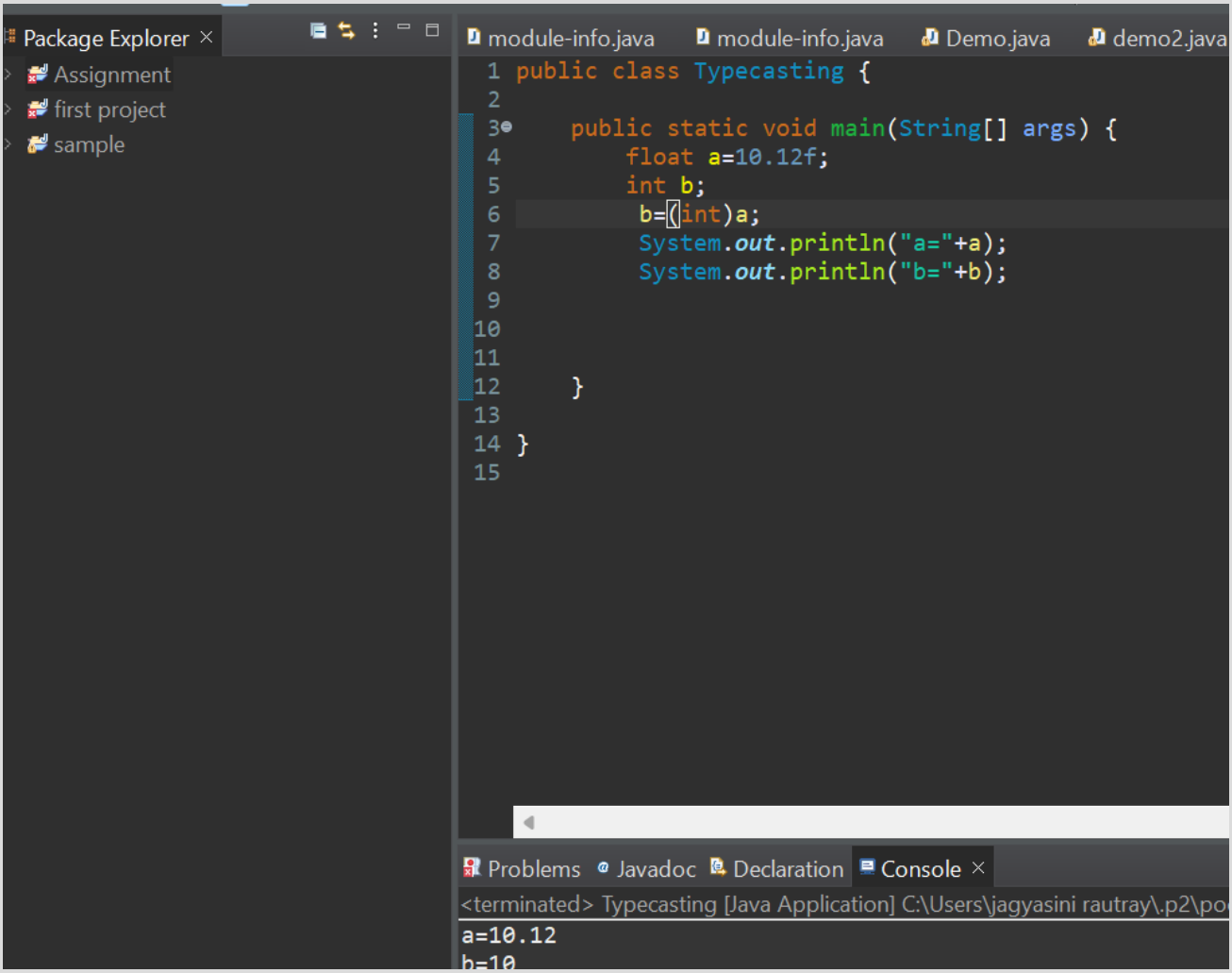
Float to byte:



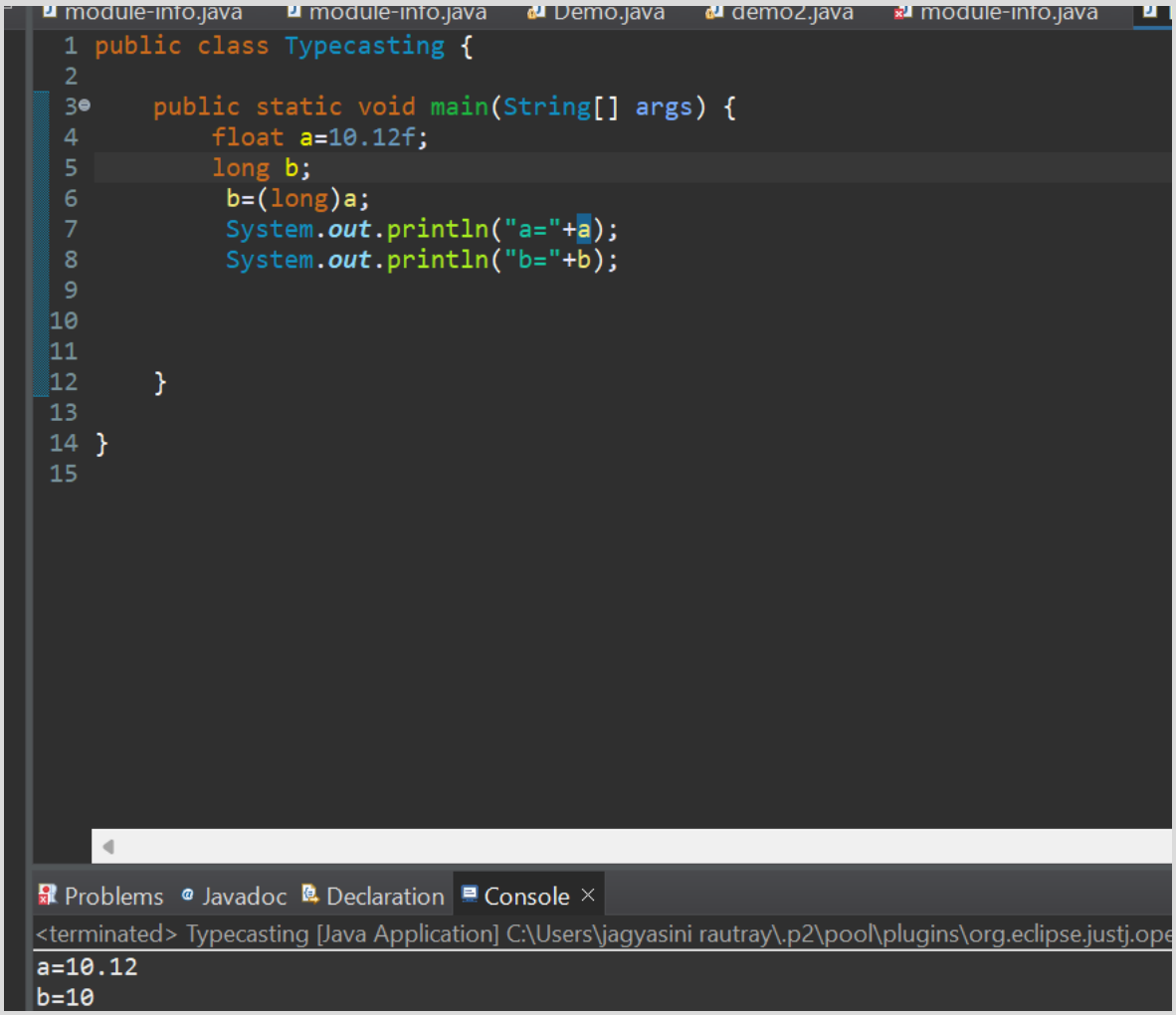
Float to short:



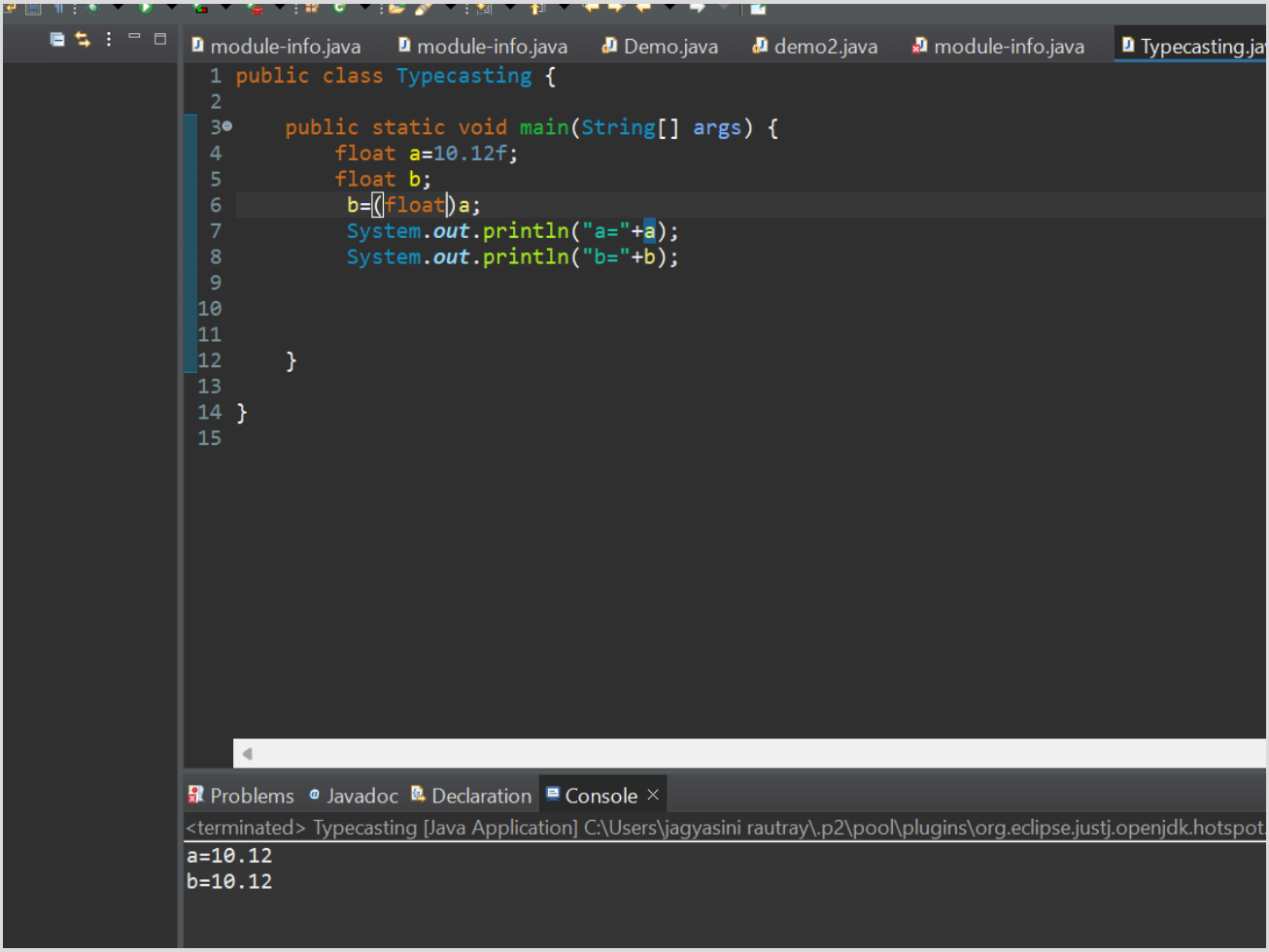
Float to int:


Package Explorer
Assignment
first project
sample
module-info.java
module-info.java
Demo.java
demo2.java
1 public class Typecasting {
2
3 public static void main(String[] args) {
4 float a=10.12f;
5 int b;
6 b=(int)a;
7 System.out.println("a="+a);
8 System.out.println("b="+b);
9
10
11
12 }
13
14 }
15
Problems
Javadoc
Declaration
Console
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\po
a=10.12
b=10

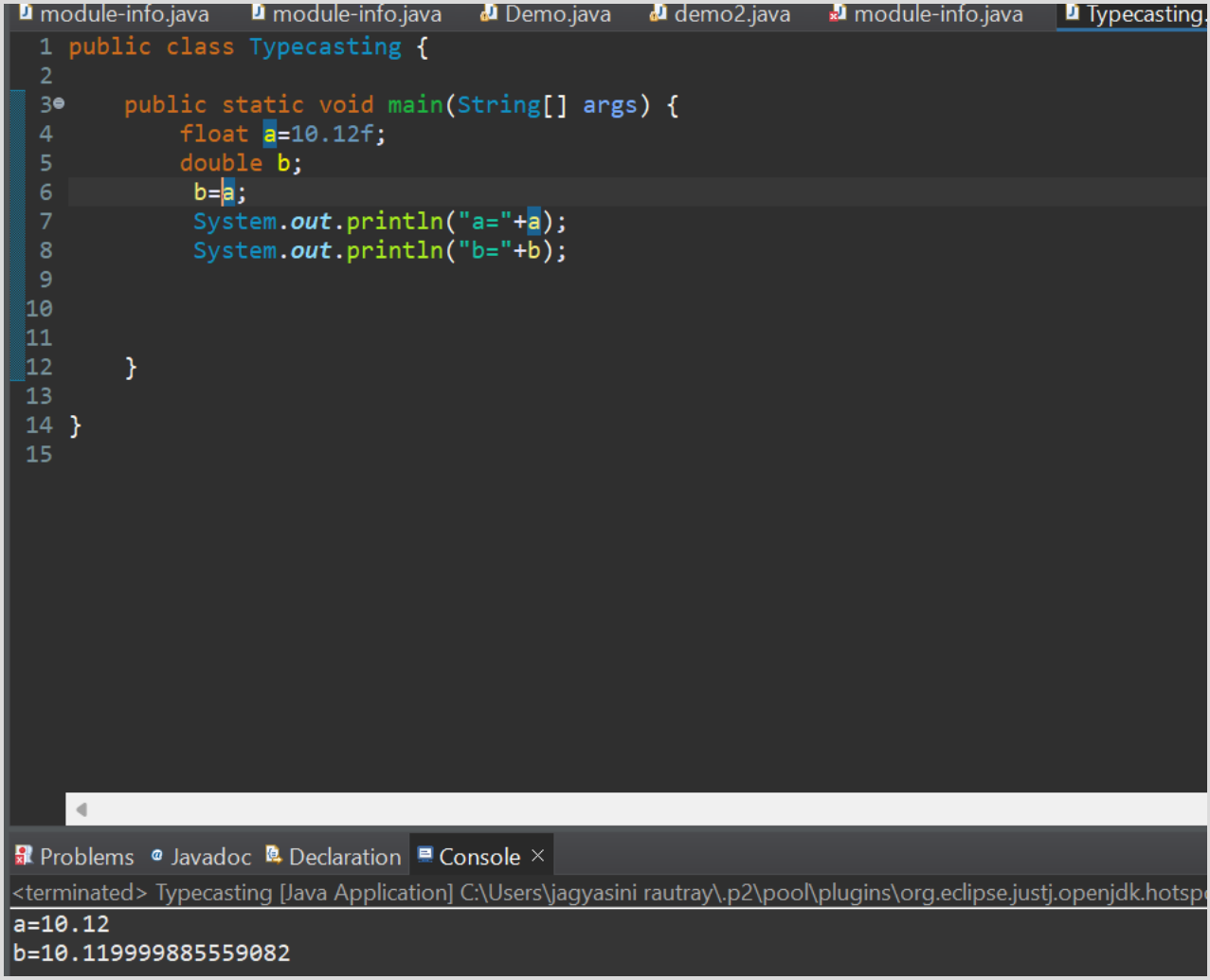
Float to long:



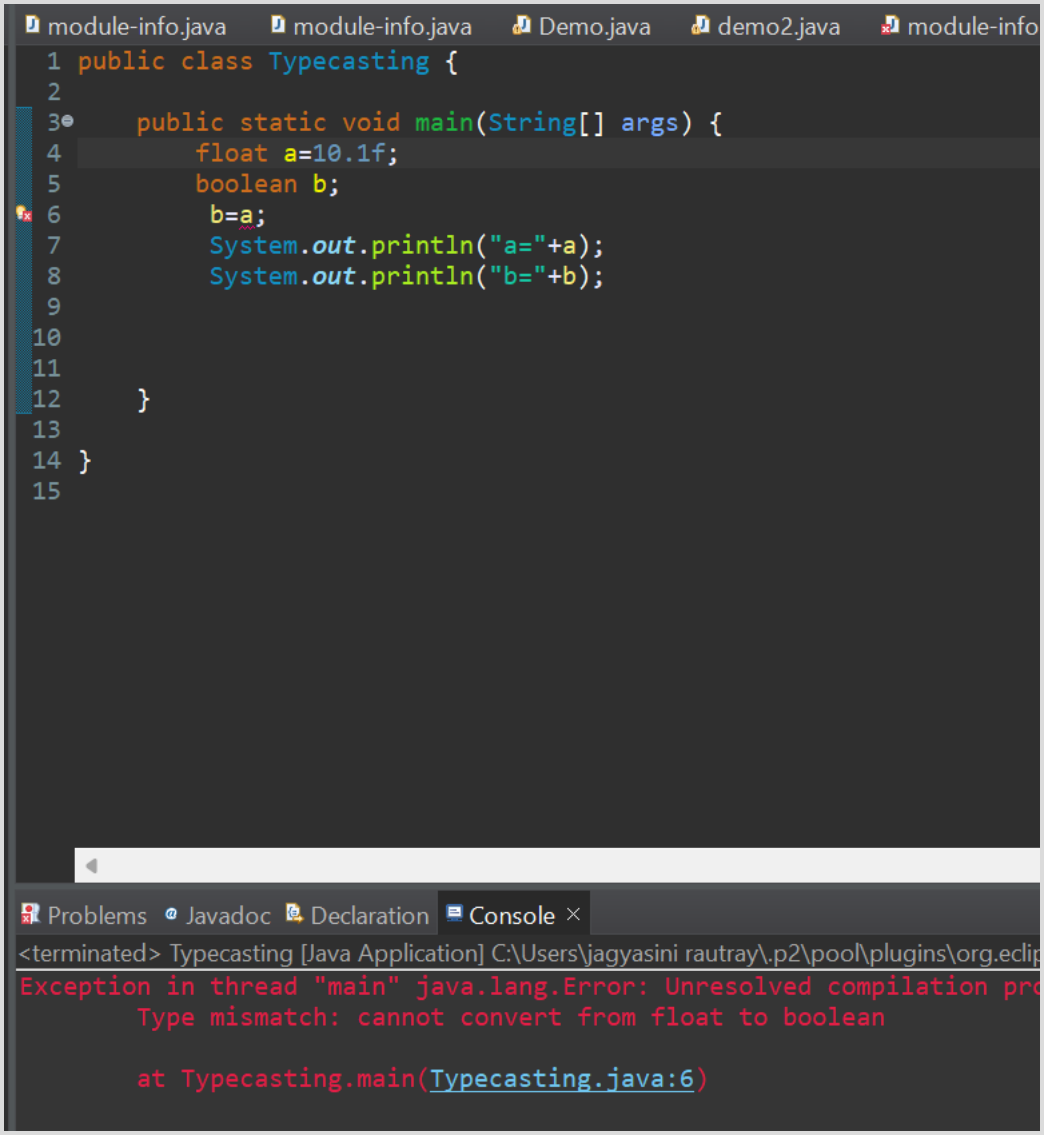
Float to float:



Float to double:

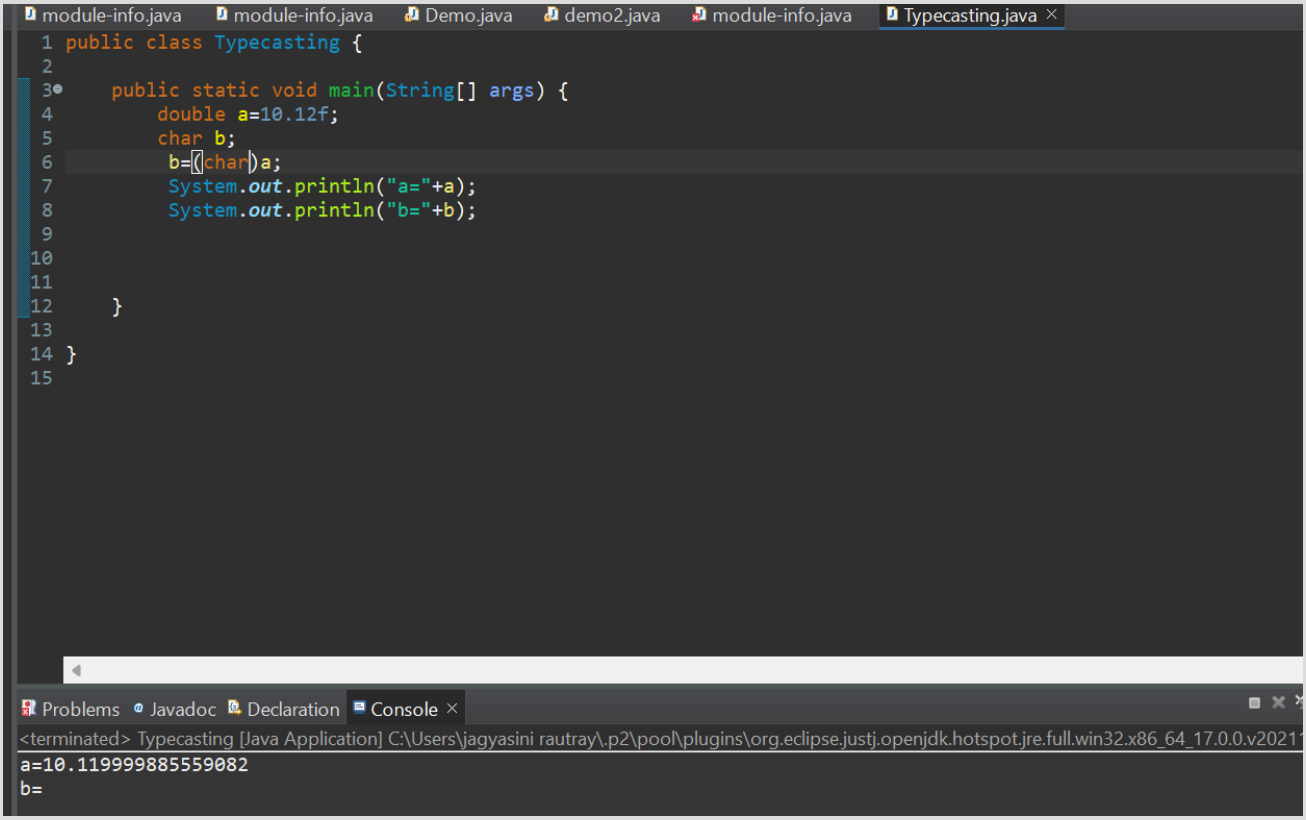


Float to Boolean:

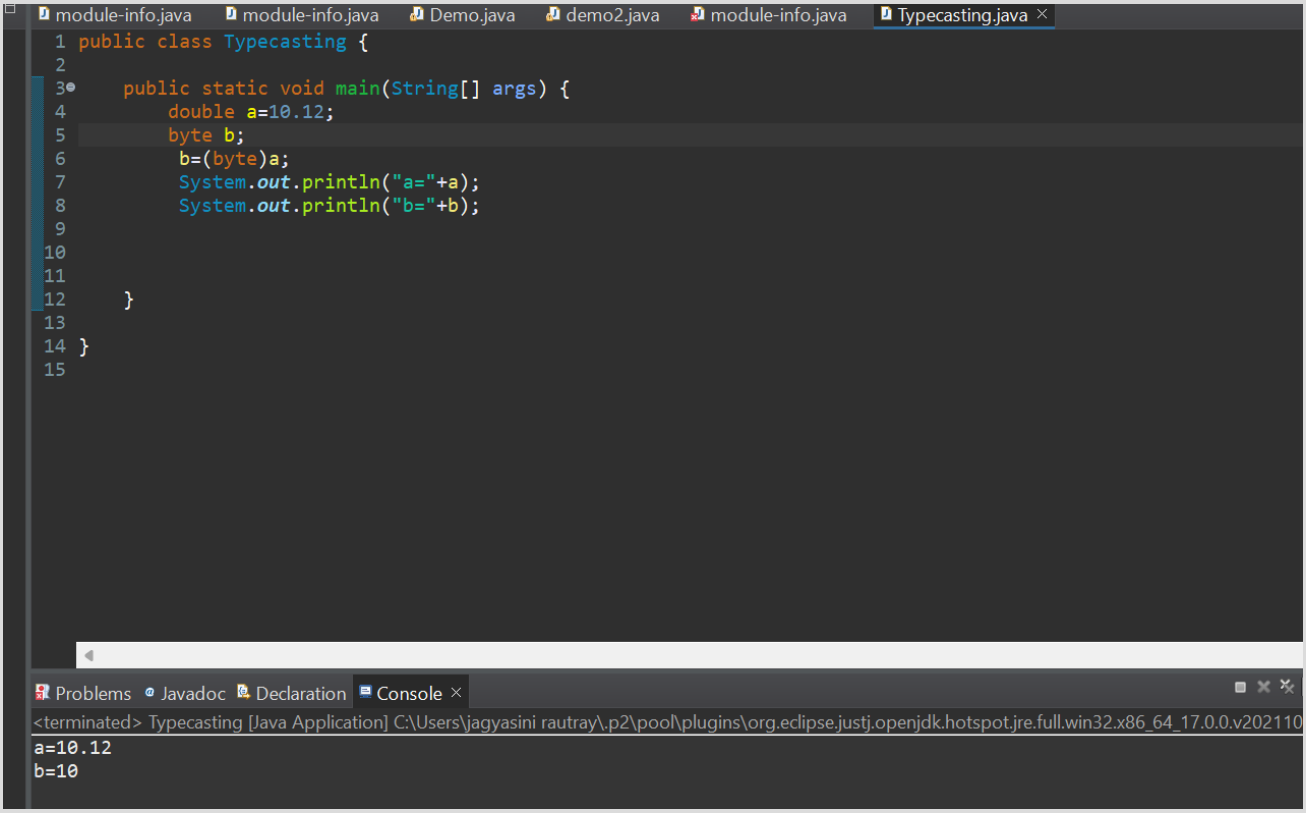


//cannot convert

Double to char:



Double to byte:



Double to short:

```java
public class Typecasting {

    public static void main(String[] args) {
        double a=10.12;
        short b;
         b=(short)a;
         System.out.println("a="+a);
         System.out.println("b="+b);


    }

}
```

Problems Javadoc Declaration Console

<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjd

```
a=10.12
b=10
```

Double to int:

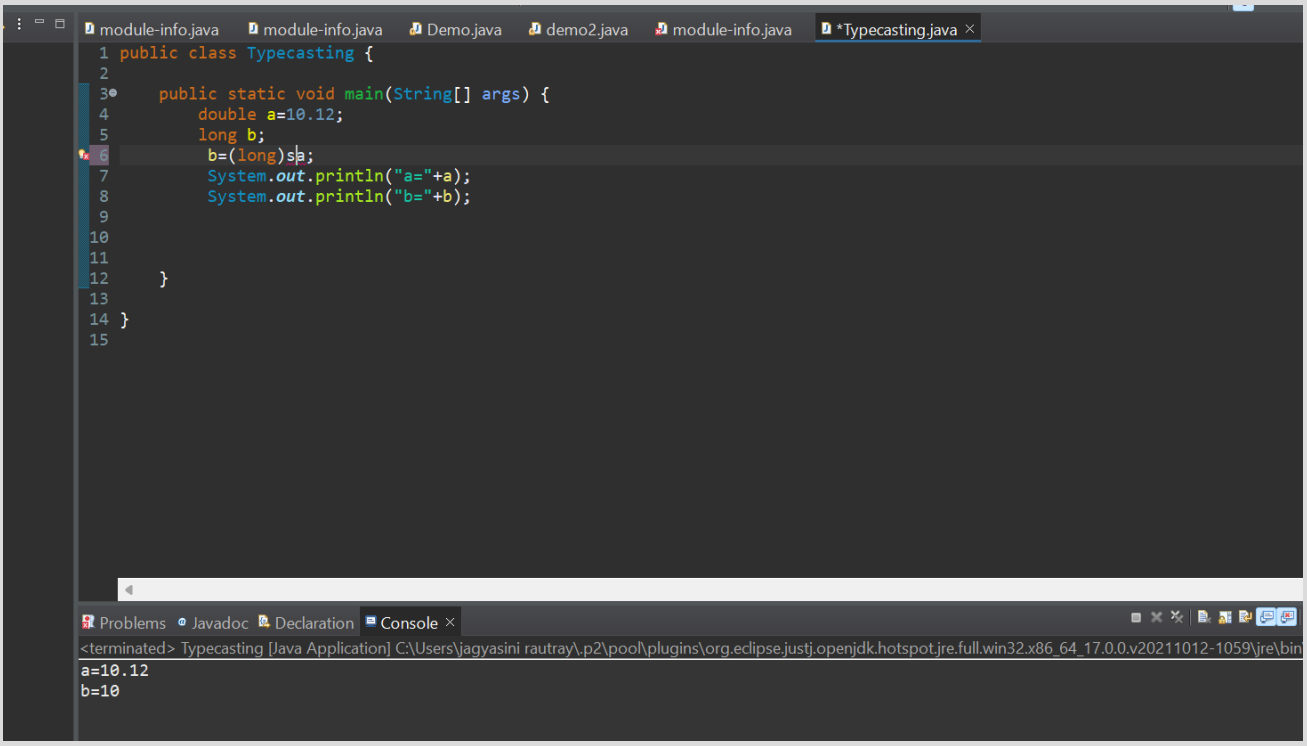
```java
public class Typecasting {

    public static void main(String[] args) {
        double a=10.12;
        int b;
         b=(int)a;
         System.out.println("a="+a);
         System.out.println("b="+b);



    }

}

```

Problems Javadoc Declaration Console

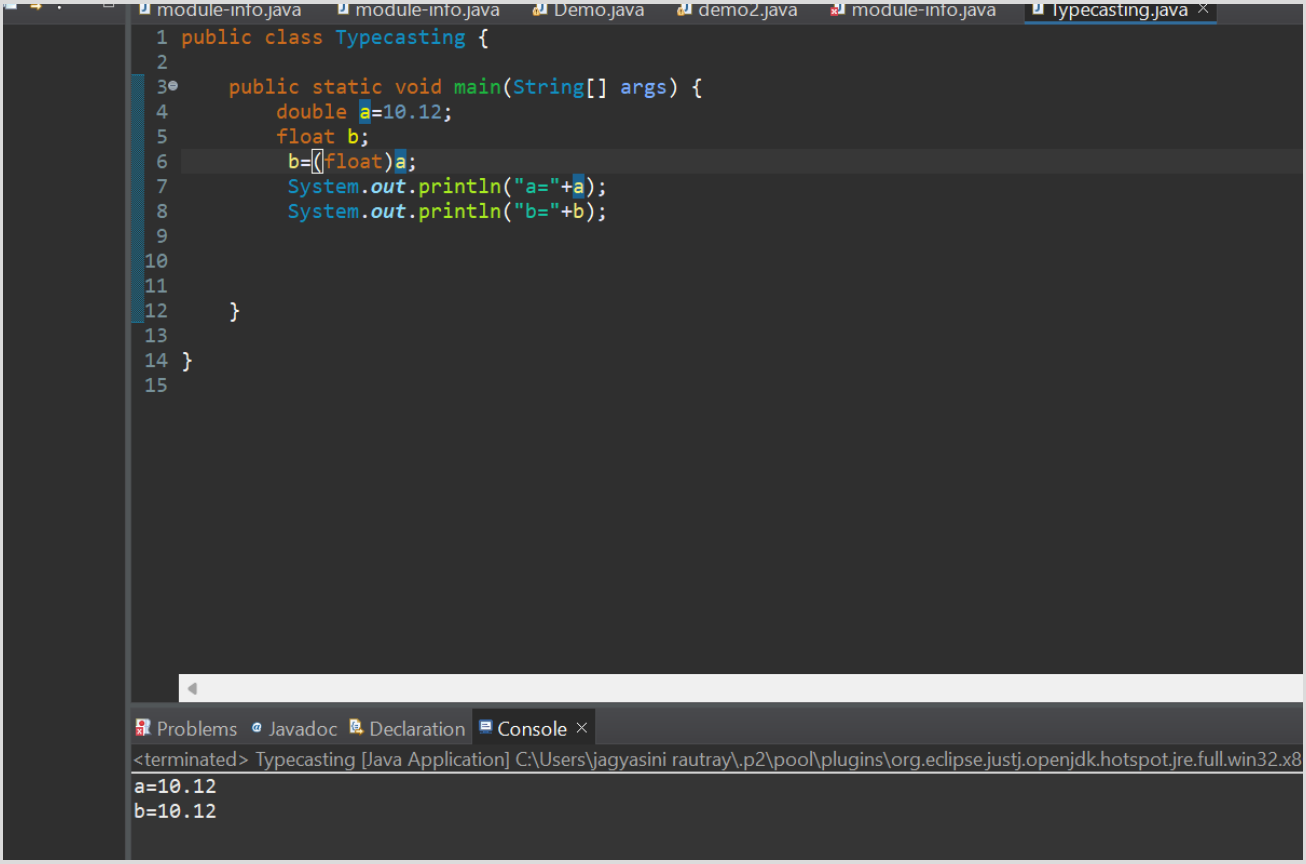
<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.0.v20211012-1059

```
a=10.12
b=10
```

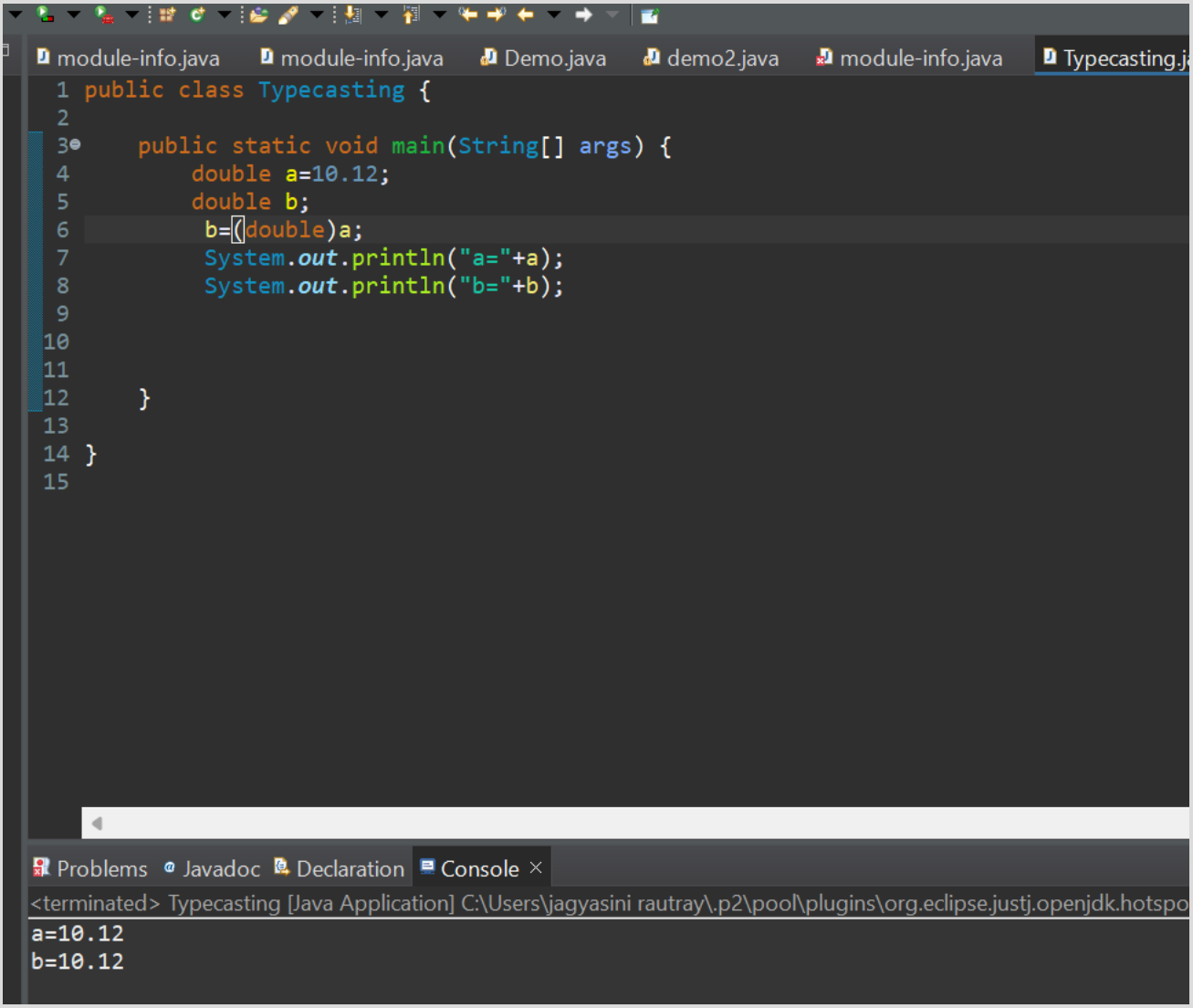
Double to long:



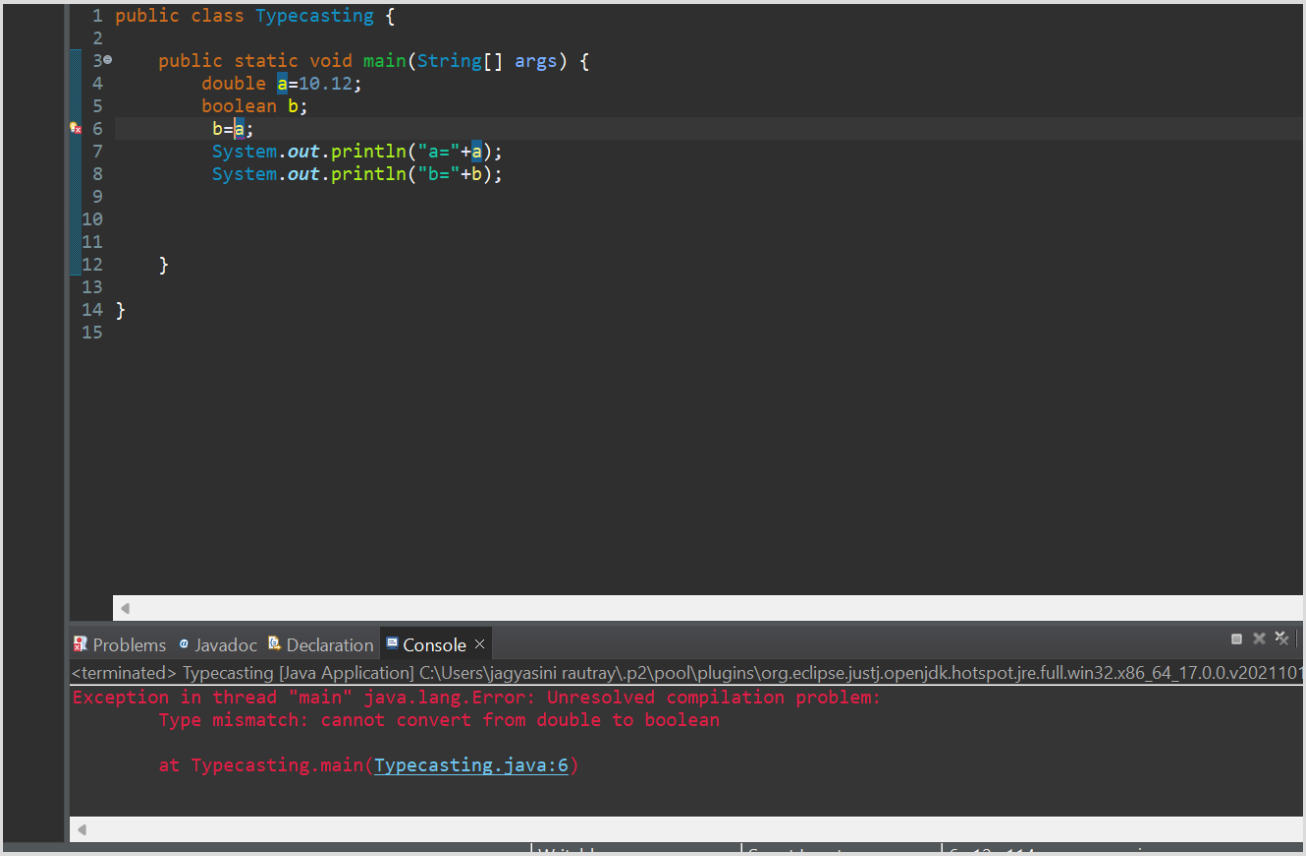
Double to float:



Double to double:



Double to Boolean:



```
public class Typecasting {

    public static void main(String[] args) {
        double a=10.12;
        boolean b;
         b=a;
         System.out.println("a="+a);
         System.out.println("b="+b);



    }

}
```

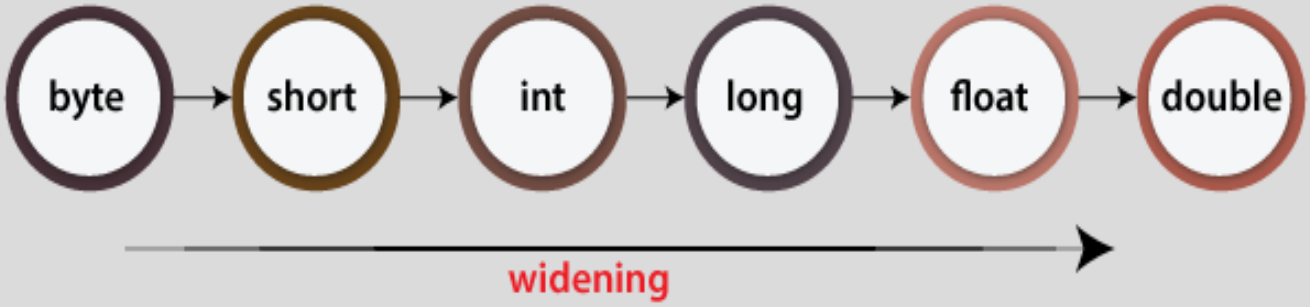
Problems Javadoc Declaration Console

<terminated> Typecasting [Java Application] C:\Users\jagyasini rautray\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.0.v2021101

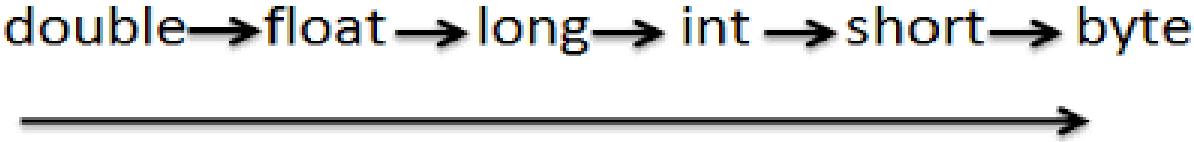
```
Exception in thread "main" java.lang.Error: Unresolved compilation problem:
        Type mismatch: cannot convert from double to boolean

        at Typecasting.main(Typecasting.java:6)
```

//cannot convert

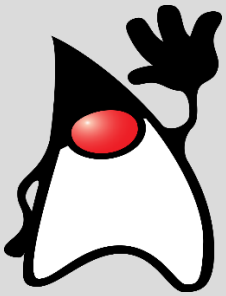
Implicit Typecasting:



Explicit Typecasting:



Not over yet wait wait….



Tabular Solution:

	char	byte	short	int	long	float	double	Boolean
char	NCR	ET	ET	IT	IT	IT	IT	---
byte	ET	NCR	IT	IT	IT	IT	IT	---
short	ET	ET	NCR	IT	IT	IT	IT	---
int	ET	ET	ET	NCR	IT	IT	IT	---
long					NCR			---
float	ET	ET	ET	ET	ET	NCR	IT	---
double	ET	ET	ET	ET	ET	NCR	NCR	---
Boolean	----	---	---	---	---	---	---	NCR

Note---

NCR: -No conversion required

ET: -Explicit Typecasting

IT: -Implicit typecasting

---: - Cannot be converted because Boolean is not numeric type, while the int, char , byte , etc. – are and is only compatible to True and False.

Here, we have taken values in vertical column and used in horizontal row for implementing and knowing whether the output is Explicit or Implicit typecasting.

Such as: -

```
int a=10;
short b;
b=a;
System.out.println("a="+a);
System.out.println("b="+b);
```

----THANKYOU----