Name:Vidya A Murteli
Email: vidyamurteli123@gmail.com
Mobile No: +917899768133

Summary:

To continuously enhance my knowledge, skills and experience to the best of my ability by getting involved in challenging work environment.

Academic Details:

Graduation	Year of Passing	Institute	University	% or GPA
Bachelor of Engineering (ISE)	2023	Basaveshwar Engineering College Bagalkote	Vishvesvaraya Technological University	8.5
Intermediate (12th)	2019	Thungala Science Composite PU College ,Jamakhandi	Pre University Education	84
SSLC	2017	Thungala English Medium High School Jamakhandi	Karnataka Secondary Education Examination Board	92.96

Technical Skills:

- Programming: C, Core Java, Python(Basics)
- Data Structures and Algorithms
- Database Management System and SQL
- HTML and CSS
- Operating System, Computer Networks

Internships and Certificates:

- Internship on Web Development at 1Stop
- Internship on Full stack web development at Eyesec Cyber Security Solutions Pvt. Ltd. Belagavi
- Participation certificate in “GGSY” organized globally by IIT Bombay
- Participation certificate in technical event “TECHNOPHILIA”

Project:

Hostel Mess-Management System (Mini project):A web portal that helps students to view their monthly mess fees and admin can enter daily attendance of students. It also provides various functionalities like calculating monthly mess fees of each student, providing and viewing the feedback.

Vehicle Safety and Alert System (Major Project): The system will try to avoid the accidents using sensors. If accident is unavoidable, then the system will detect the accident location and notifies to emergency services using GPS module. The system will rescue the victim of accident.

Personal Details:

Date of Birth: 07/03/2001
Languages known: Kannada, English, Hindi
Permanent Address: Vidya Nagar , Rabakavi, Dist: Bagalkote – 587314

Declaration:

I hereby declare that the information that I have furnished is legitimate to the best of my knowledge and ability.

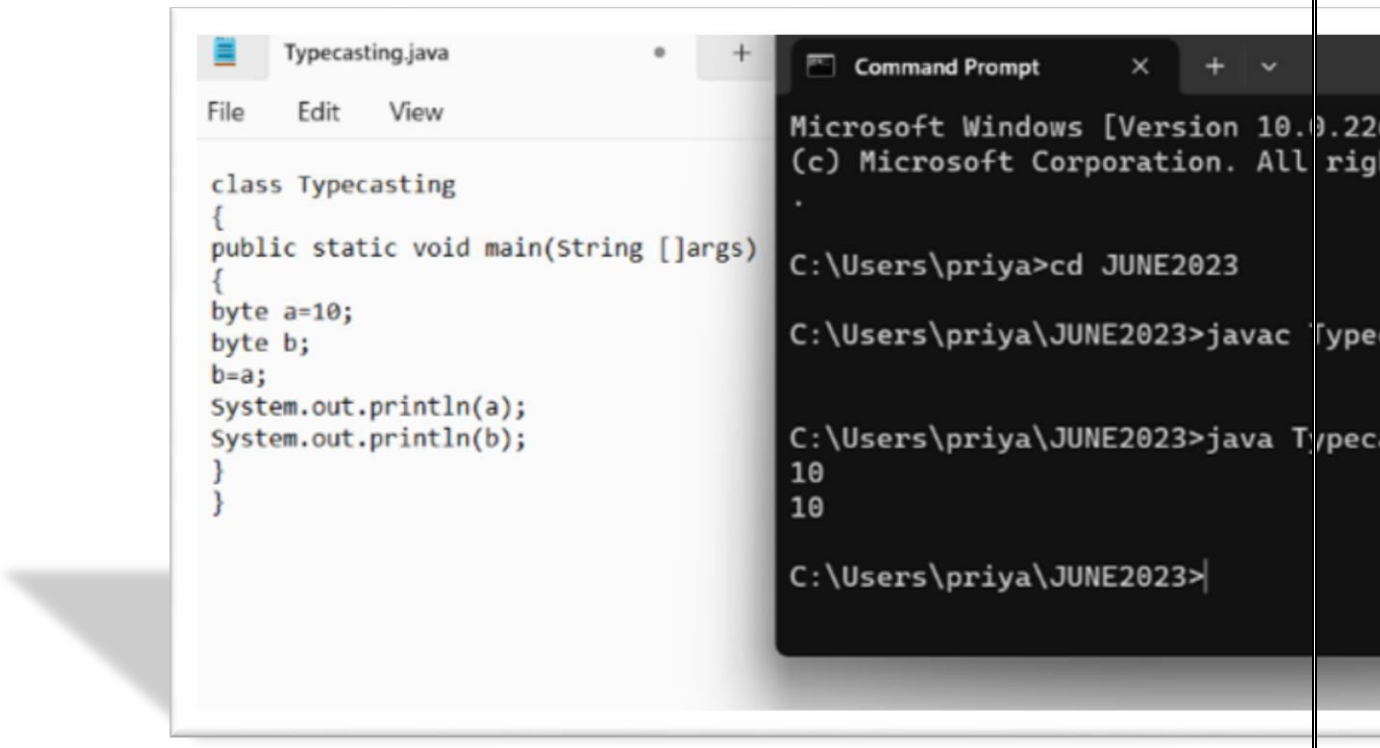
Vidya A Murteli

BYTE TO BYTE: -

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
byte a=10;
byte b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



1a) BYTE TO BYTE TYPECASTING

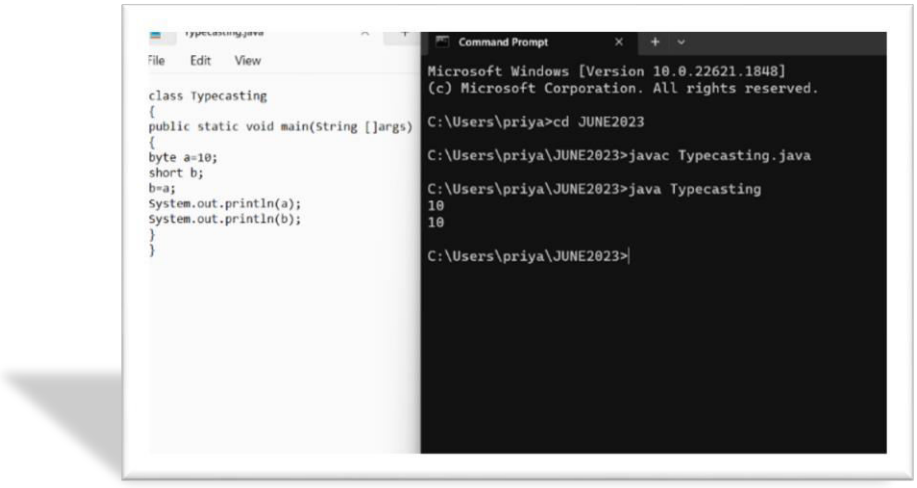
There is no need to do typecast or conversion from the same datatype to same datatype. It will results into same value or no change in result.

BYTE TO SHORT: -

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
byte a=10;
short b;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



1B) BYTE TO SHORT TYPECASTING

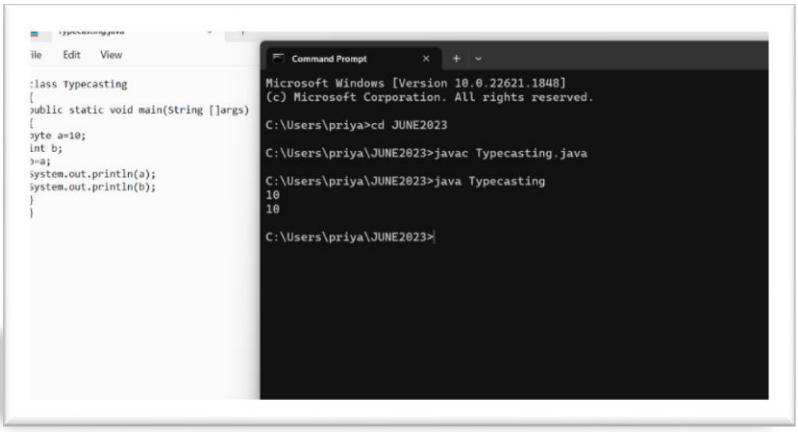
Typecasting is possible. Typecasting from "**byte**" to**"short"** is an "**Explicit typecasting".**

BYTE TO INT: -

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
byte a=10;
int b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



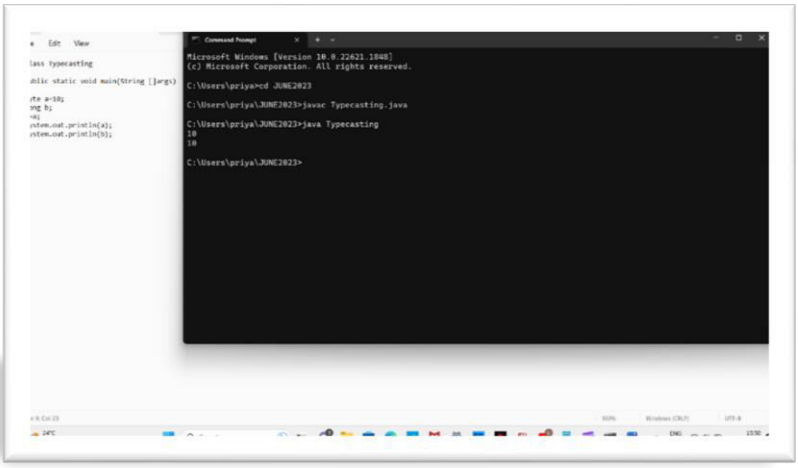
1C)BYTE TO INT TYPECASTING OUTPUT

BYTE TO LONG:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
byte a=10;
long b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:



1D)BYTE TO LONG TYPECASTING

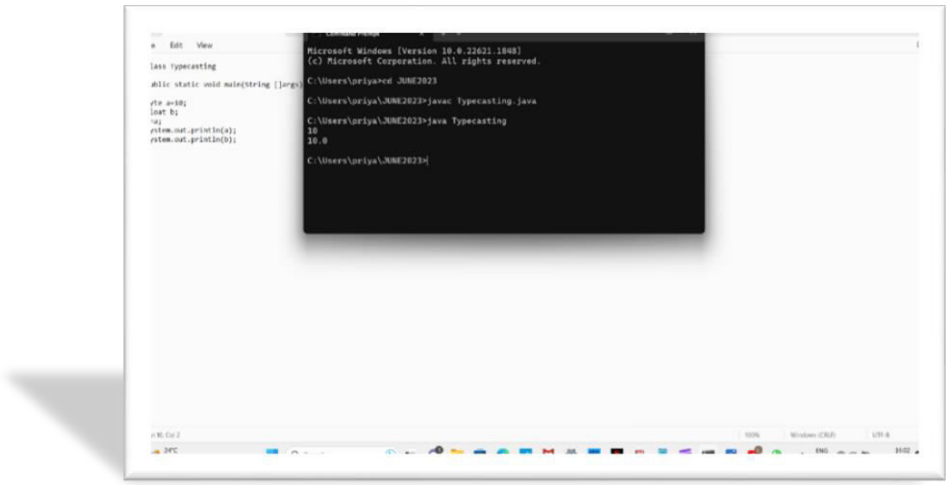
The typecasting is possible from byte to long datatype. The typecasting from "byte" to "long" is"Implicit typecasting".

BYTE TO FLOAT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
byte a=10;
float b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:



1E) BYTE TO FLOAT TYPECASTING

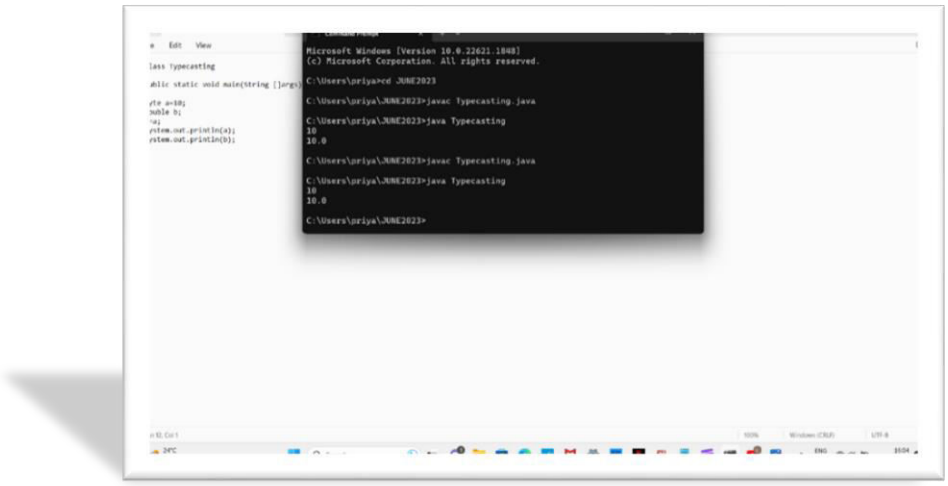
The Typecasting from byte to float is possible. The Typecasting from “byte” to “float” is an “Implicit Typecasting”

BYTE TO DOUBLE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
byte a=10;
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



1F) BYTE TO DOUBLE TYPECASTING

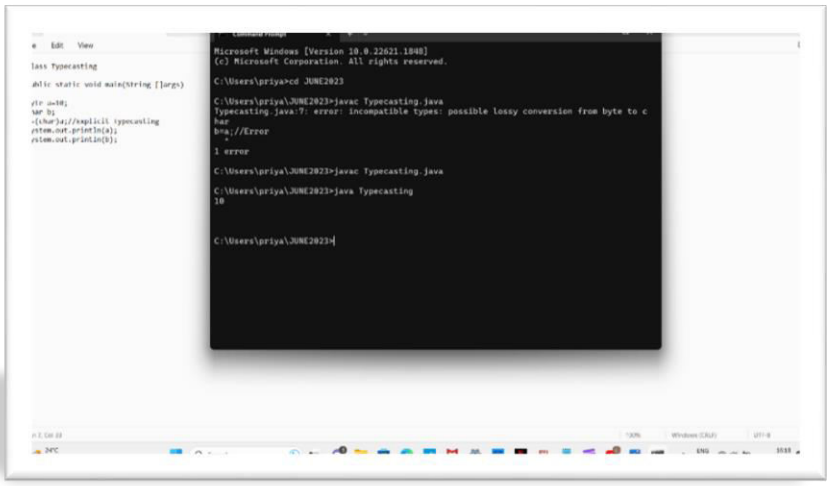
The typecasting from Byte to float is possible. The type of type conversion from "**byte"** to "**double"** is an "**Implicit typecasting".**

BYTE TO CHAR:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
byte a=10;
char b;
b=(char)a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:



1G) BYTE TO CHAR TYPECASTING

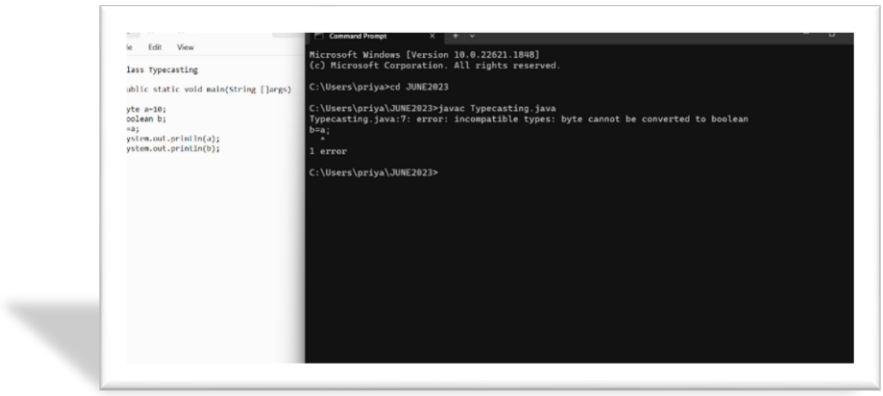
The typecasting from byte to char is possible.The type of typecasting from "byte" to "char" is an " Explicit Typecasting".

BYTE TO BOOLEAN:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
byte a=10;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



1H) BYTE TO BOOLEAN TYPECASTING

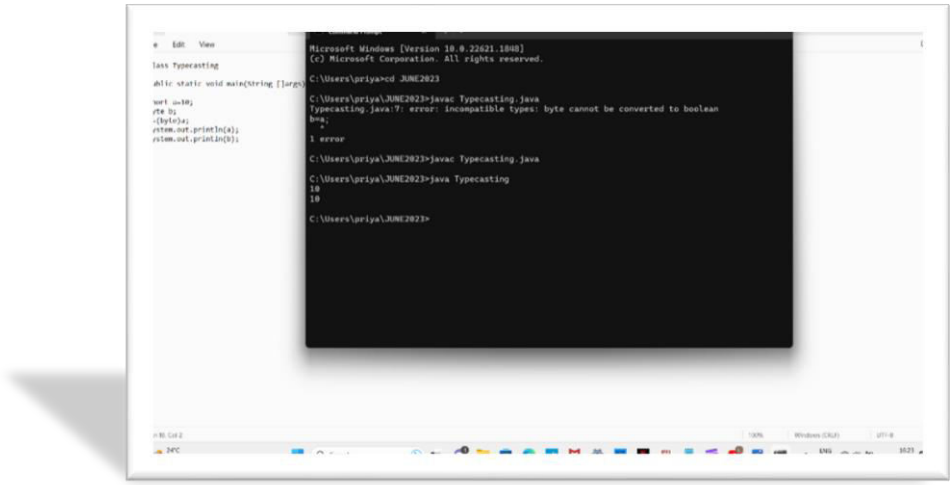
The typecasting from “byte” to “boolean” is not possible.

SHORT TO BYTE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
short a=32767;
byte b;
b=a;//Error
b=(byte)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
}
```

Output:



2A) SHORT TO BYTE TYPECASTING

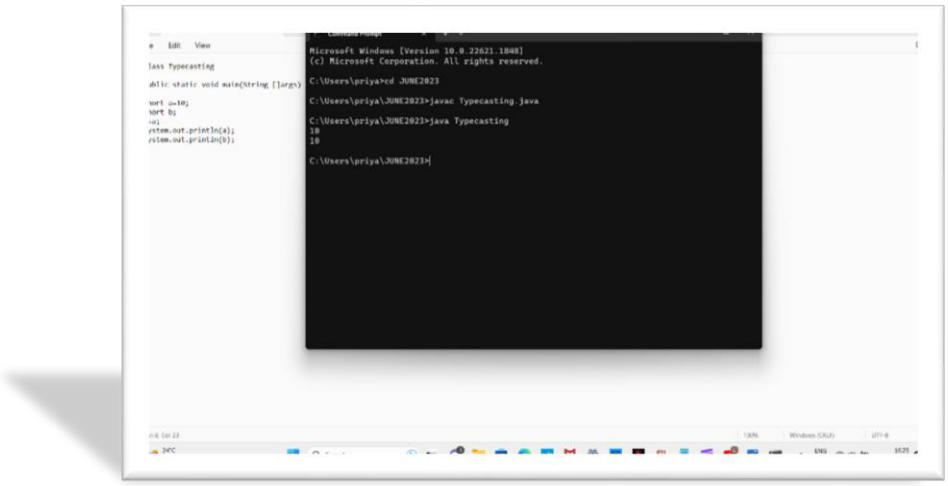
The typecasting from short to byte is possible.The type of typecasting from "short" to "byte" is "Explicit Typecasting".

SHORT TO SHORT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
short a=32767;
short b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:



2B) SHORT TO SHORT TYPECASTING

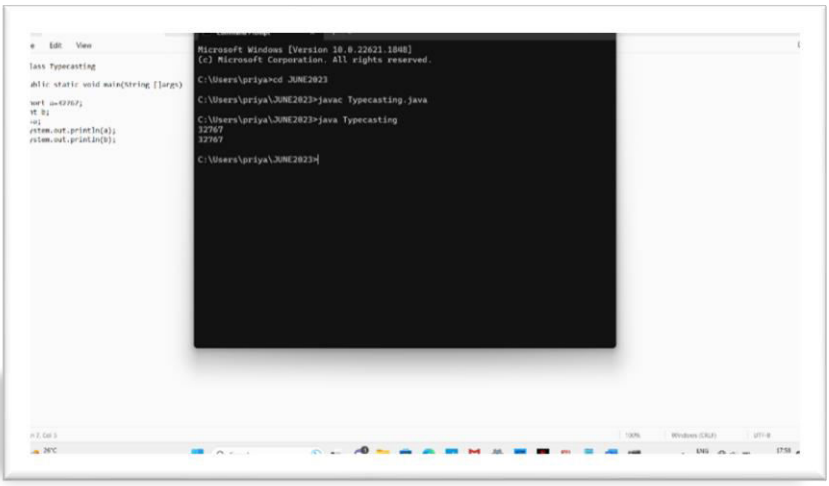
There is no change in conversion from “short” to “short” typecasting.It results into same result as in previous.

SHORT TO INT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
short a=32767;
int b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:



2C) SHORT TO INT TYPECASTING

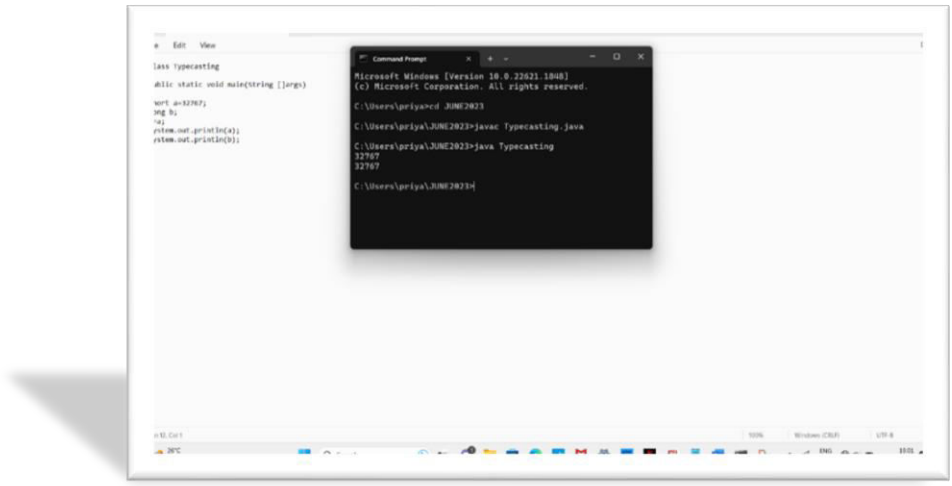
The typecasting from short to int is possible. The type of typecasting from "short" to "int" is "Implicit Typecasting".

SHORT TO LONG:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
short a=32767;
long b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



The

SHORT TO FLOAT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
short a=32767;
float b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

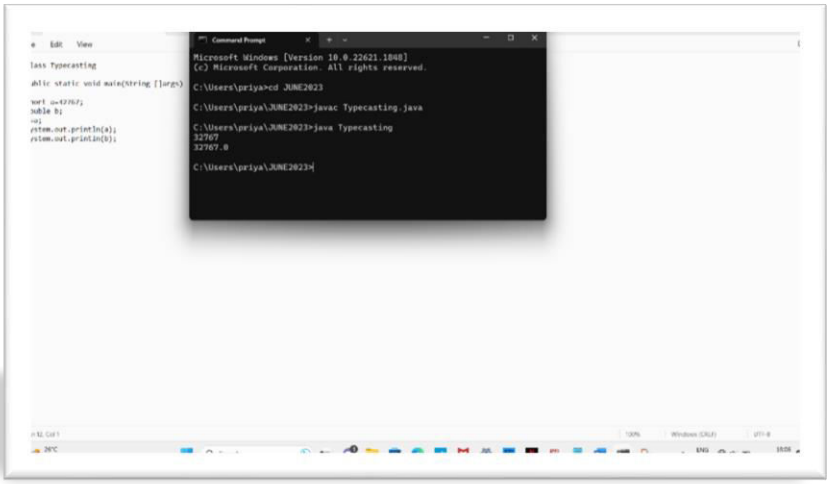
the

SHORT TO DOUBLE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
short a=32767;
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:

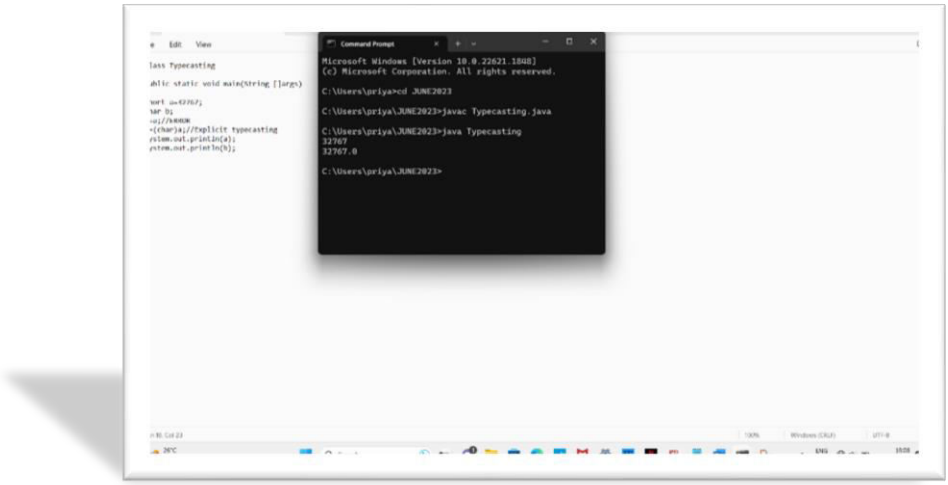


SHORT TO CHAR:

PROBLEM:

```
class Typecasting
{
public static void main(String []args)
{
short a=32767;
char b;
b=a;//ERROR
b=(char)a;//Explicit typecasting
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

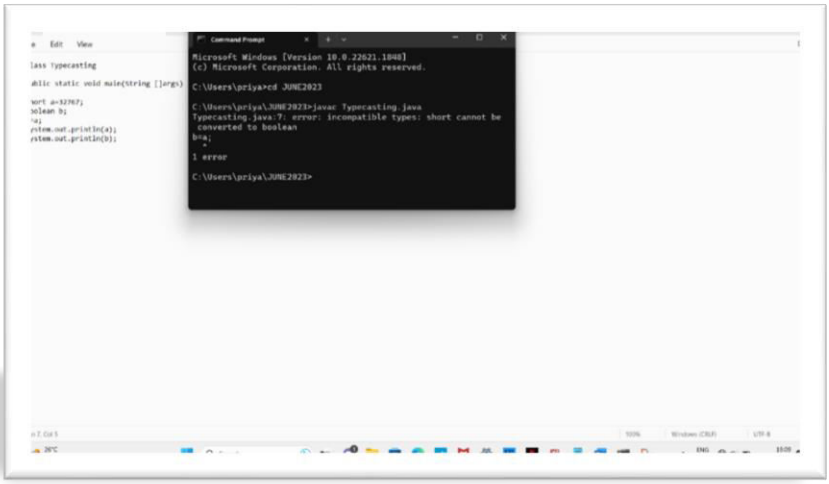


SHORT TO BOOLEAN:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
short a=32767;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

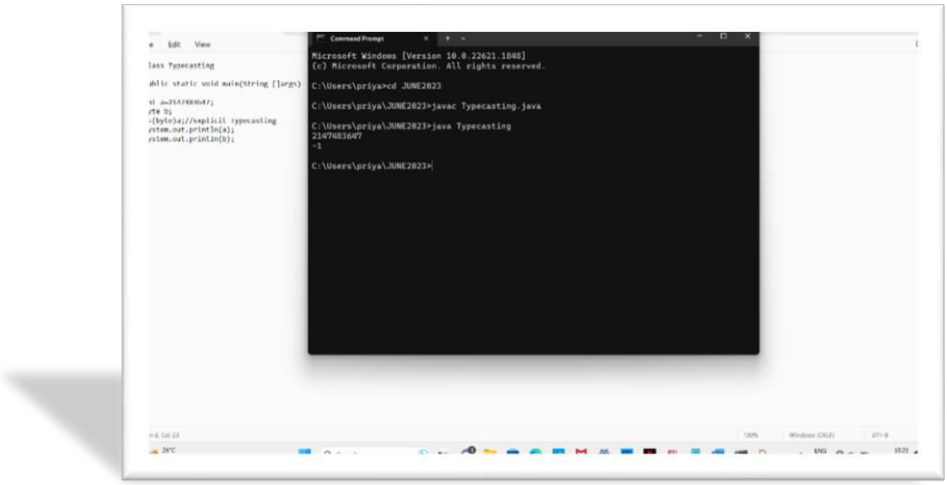


INT TO BYTE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
int a=2147483647;
byte b;
b=a;//Error
b=(byte)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
}
```

Output:

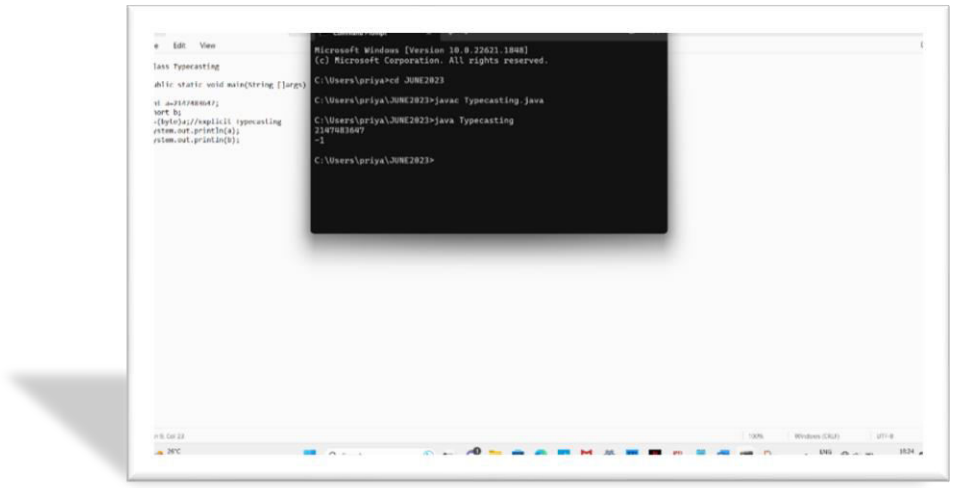


INT TO SHORT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
int a=2147483647;
short b;
b=a;
b=(byte)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

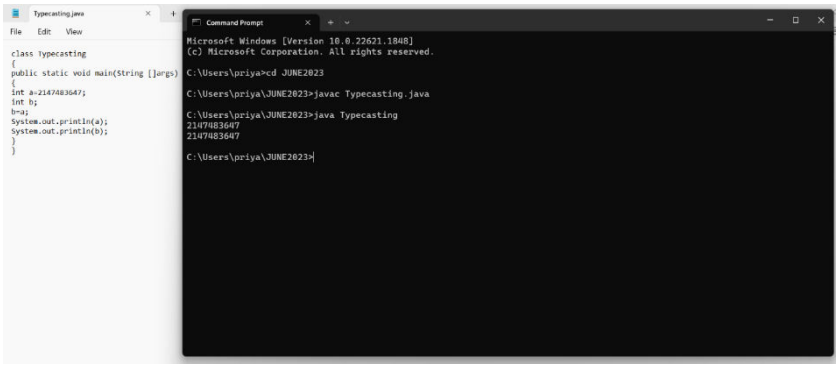


INT TO INT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
int a=2147483647;
int b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

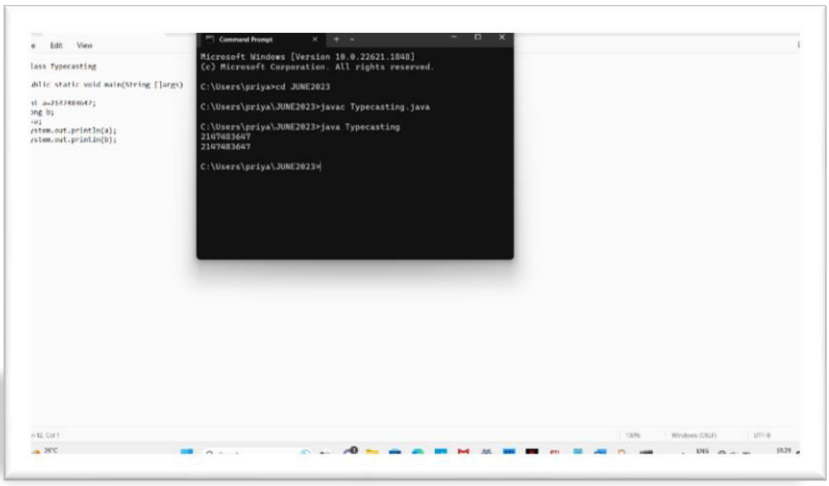


INT TO LONG:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
int a=2147483647;
long b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

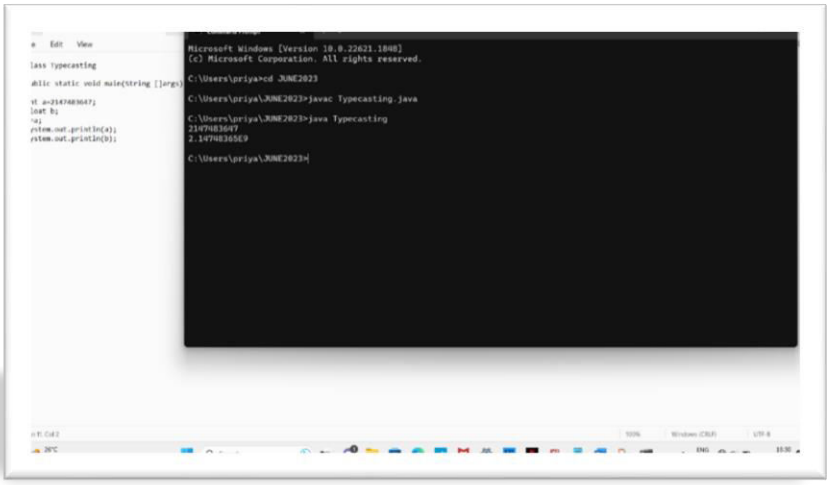


INT TO FLOAT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
int a=2147483647;
float b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

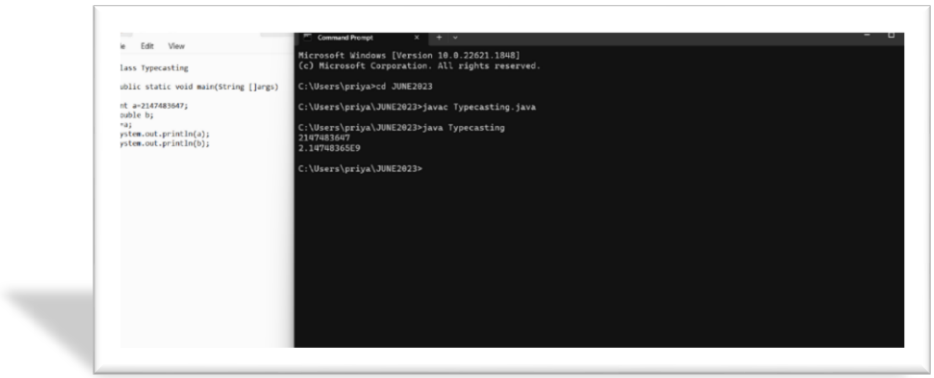


INT TO DOUBLE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
int a=2147483647;
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

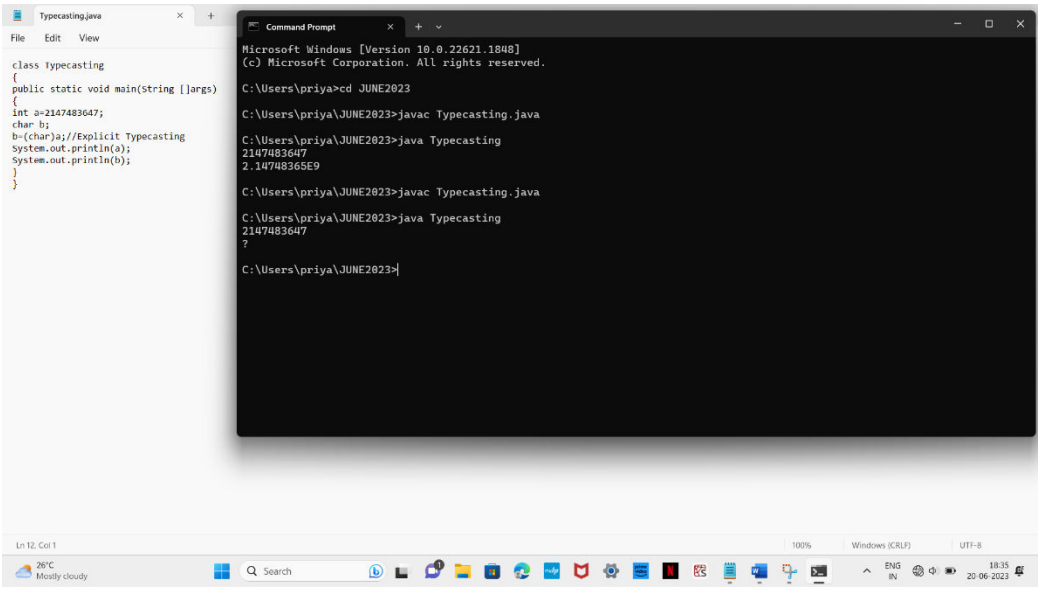


INT TO CHAR:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
int a=2147483647;
char b;
b=a;\\ERROR
b=(char)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
}
```

Output:

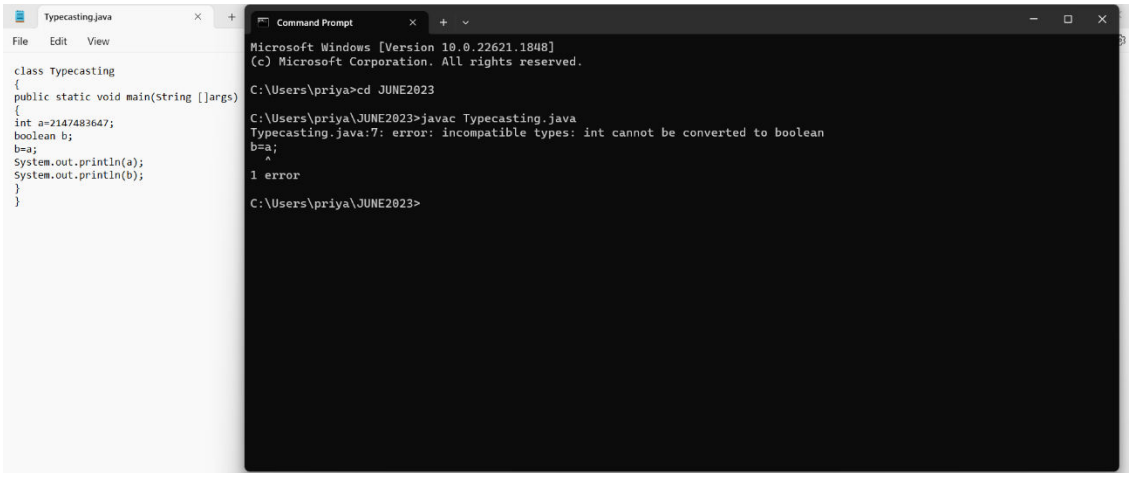


INT TO BOOLEAN:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
int a=2147483647;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

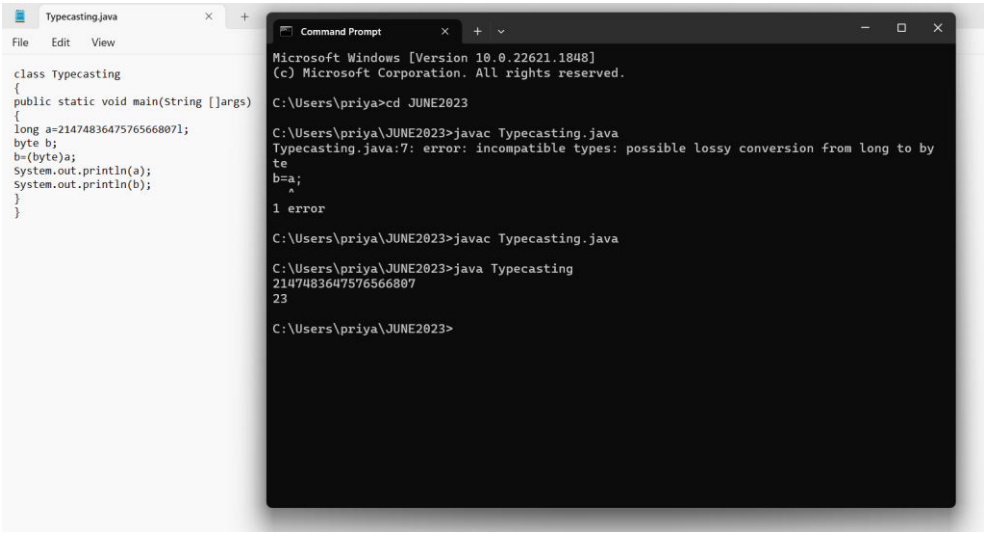


LONG TO BYTE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
long a=2147483647576566807l;
byte b;
b=a;//ERROR
b=(byte)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

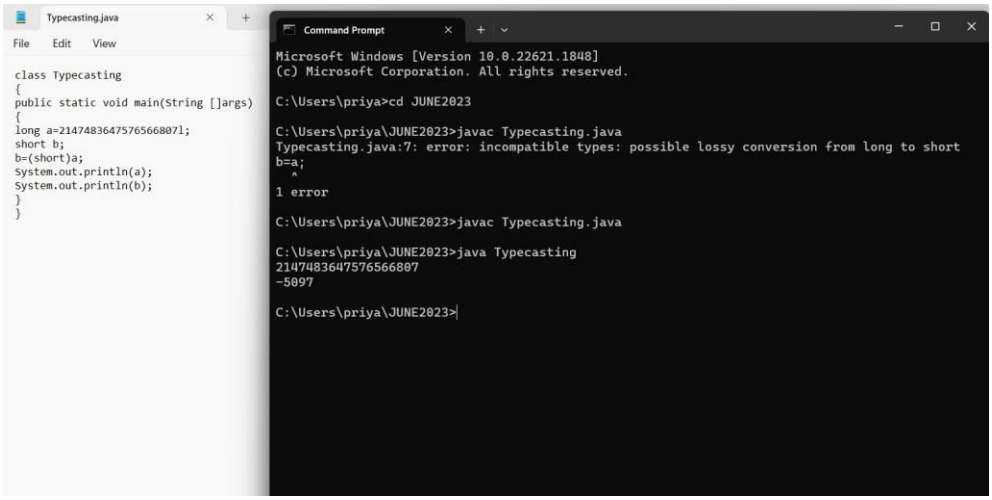


LONG TO SHORT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
long a=2147483647576566807l;
short b;
b=a;//ERROR
b=(short)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
}
```

Output:

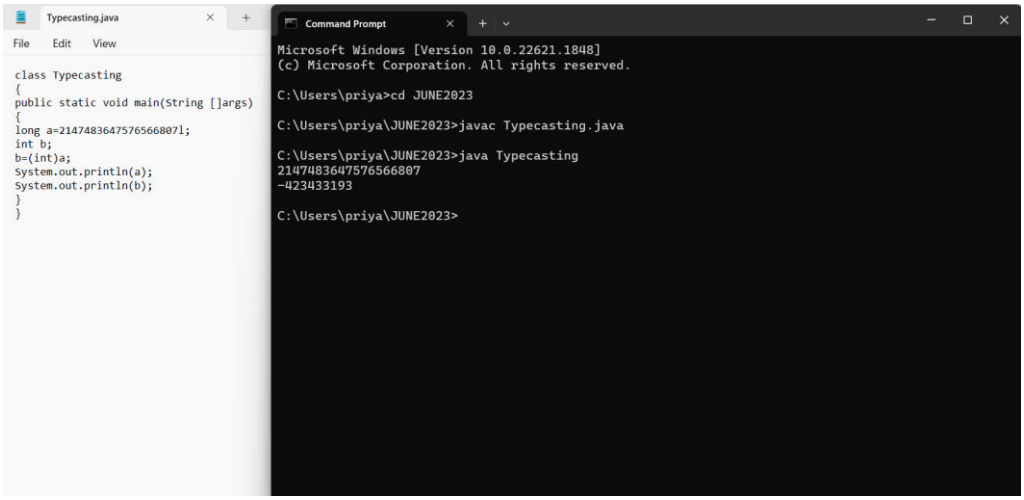


LONG TO INT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
long a=2147483647576566807l;
int b;
b=(int)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
}
```

Output:

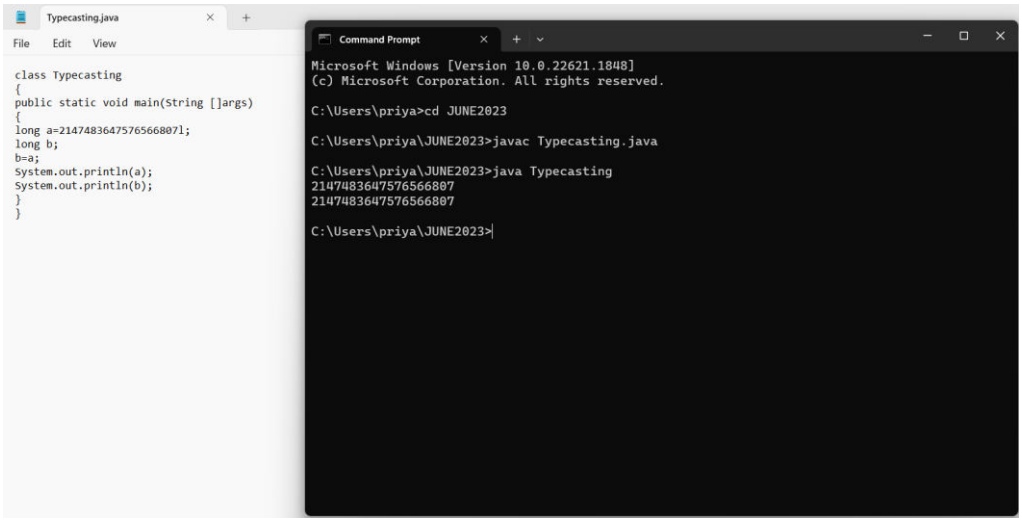


LONG TO LONG:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
long a=2147483647576566807l;
long b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

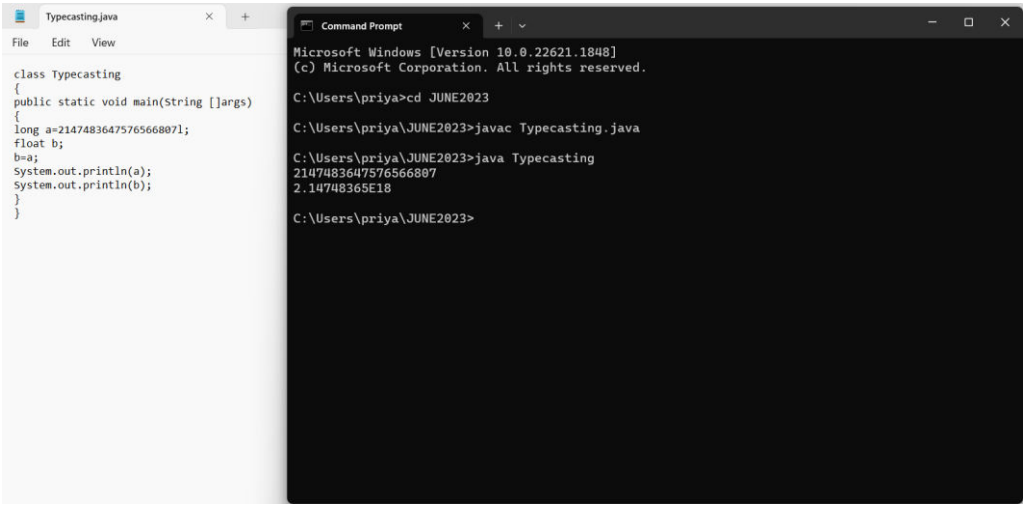


LONG TO FLOAT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
long a=2147483647576566807l;
float b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:

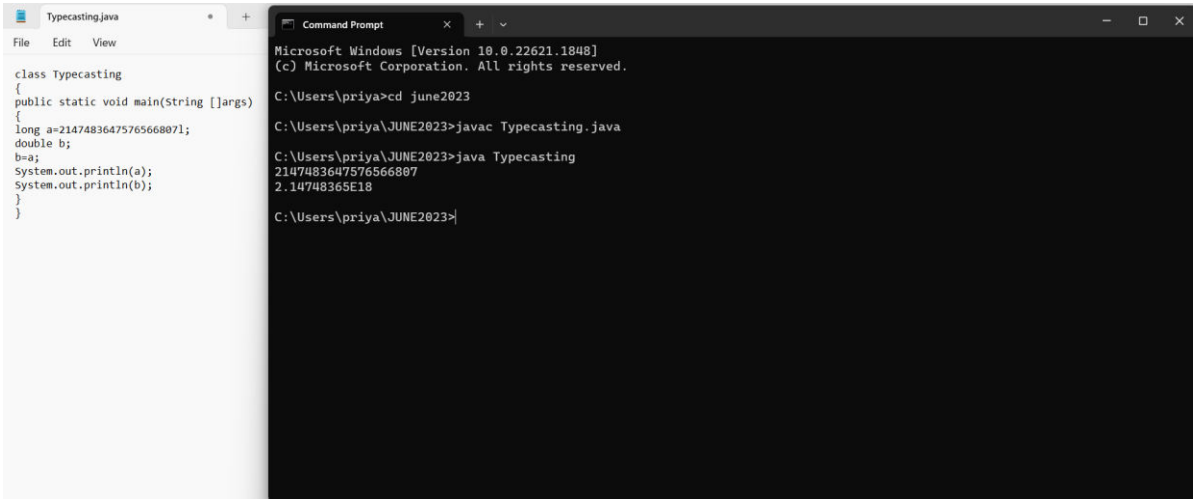


LONG TO DOUBLE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
long a=2147483647576566807l;
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



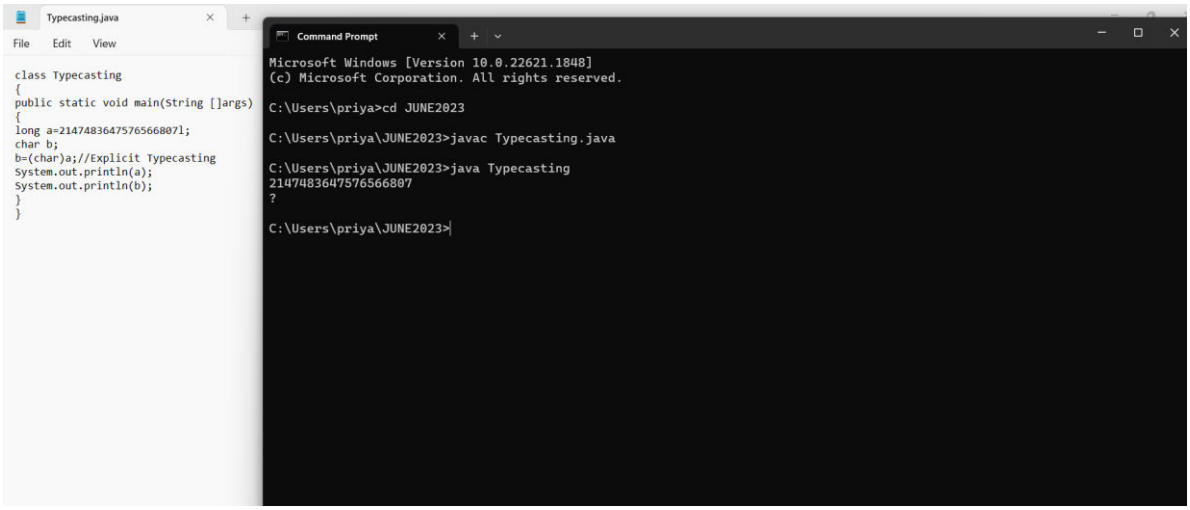
LONG TO CHAR:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
long a=2147483647576566807l;
char b;
b=a;//ERROR
b=(char)a;//Explicir Typecasting
System.out.println(a);
System.out.println(b);
}
```

}

Output:

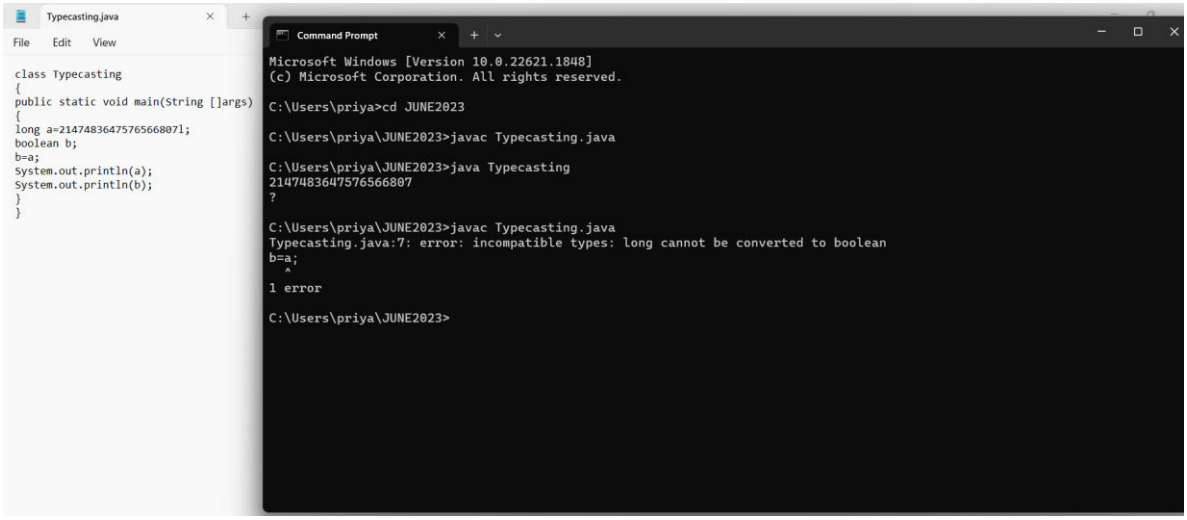


LONG TO BOOLEAN:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
long a=21474836475765668071;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



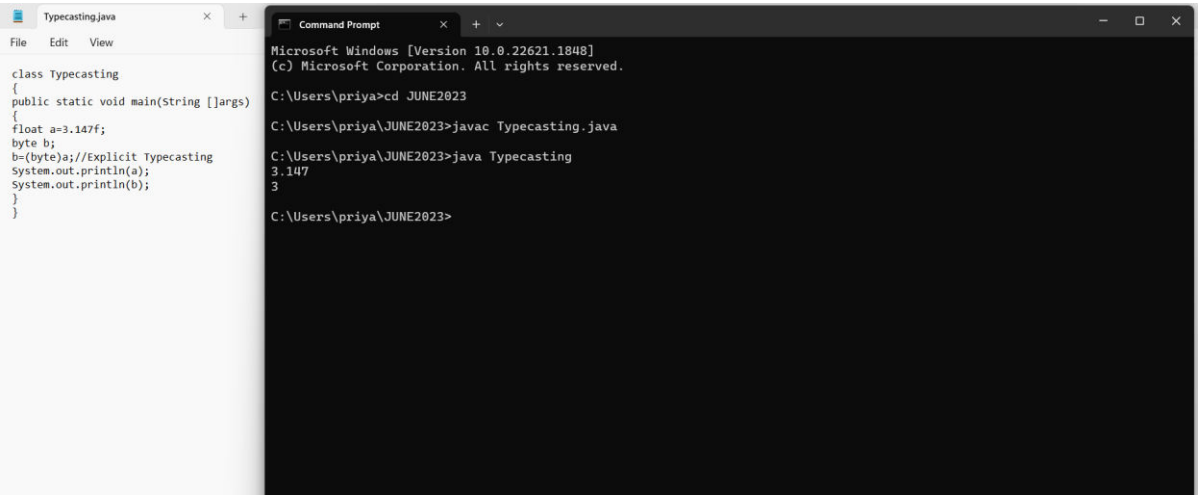
FLOAT TO BYTE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
float a=3.147f;
byte b;
b=a;//ERROR
b=(byte)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
```

}

Output:



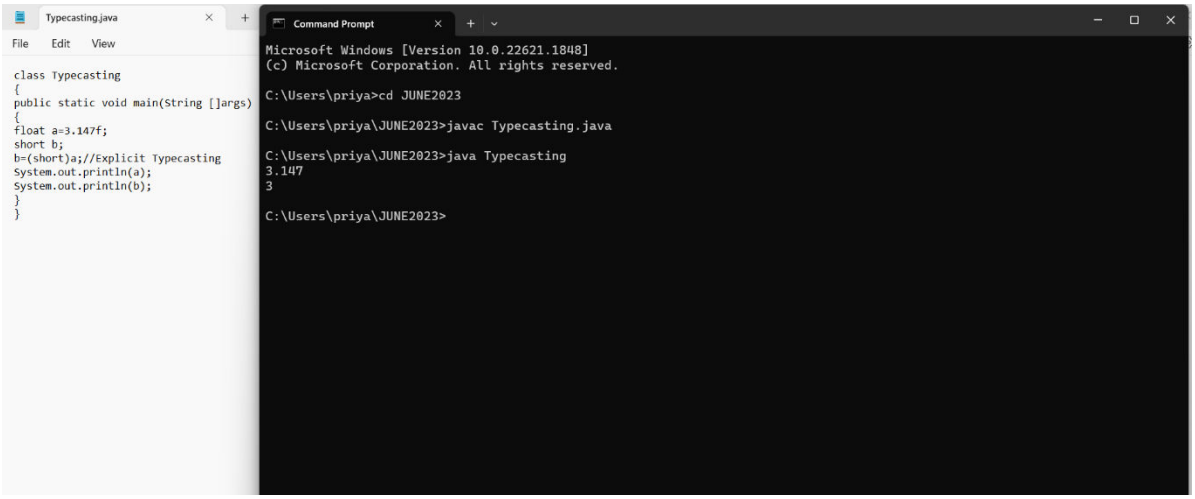
FLOAT TO SHORT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
float a=3.147f;
short b;
b=a;//ERROR
b=(short)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
```

}

OUTPUT:



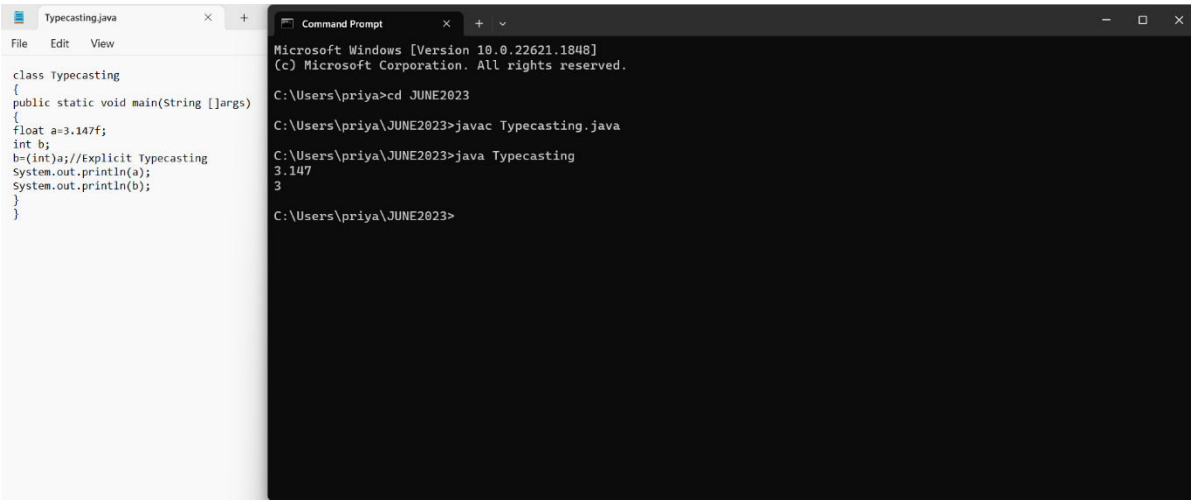
FLOAT TO INT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
float a=3.147f;
int b;
b=a;//ERROR
b=(int)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
```

}

OUTPUT:



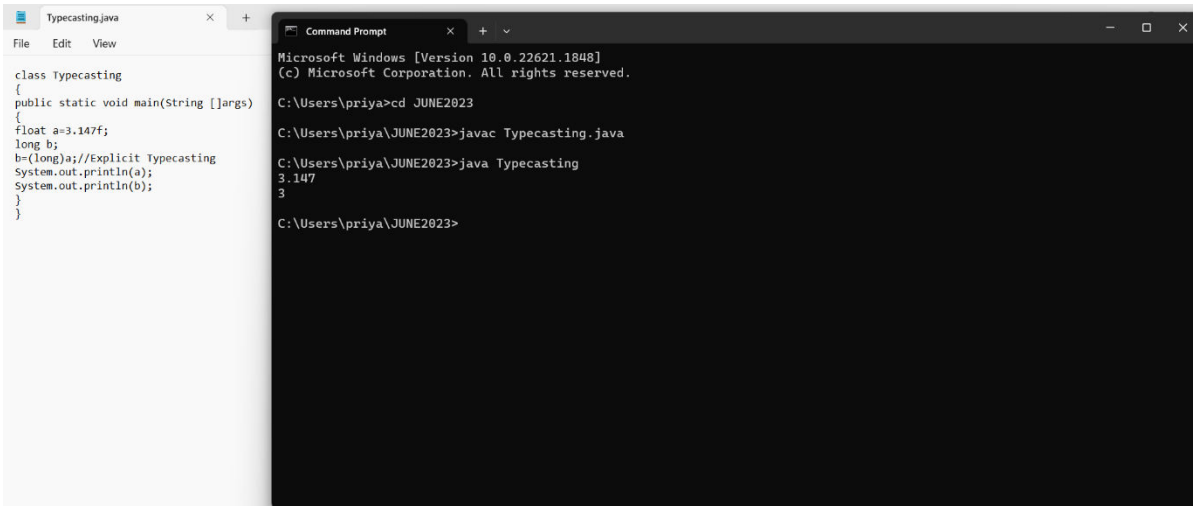
FLOAT TO LONG

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
float a=3.147f;
long b;
b=a;//ERROR
b=(long)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
```

}

OUTPUT:

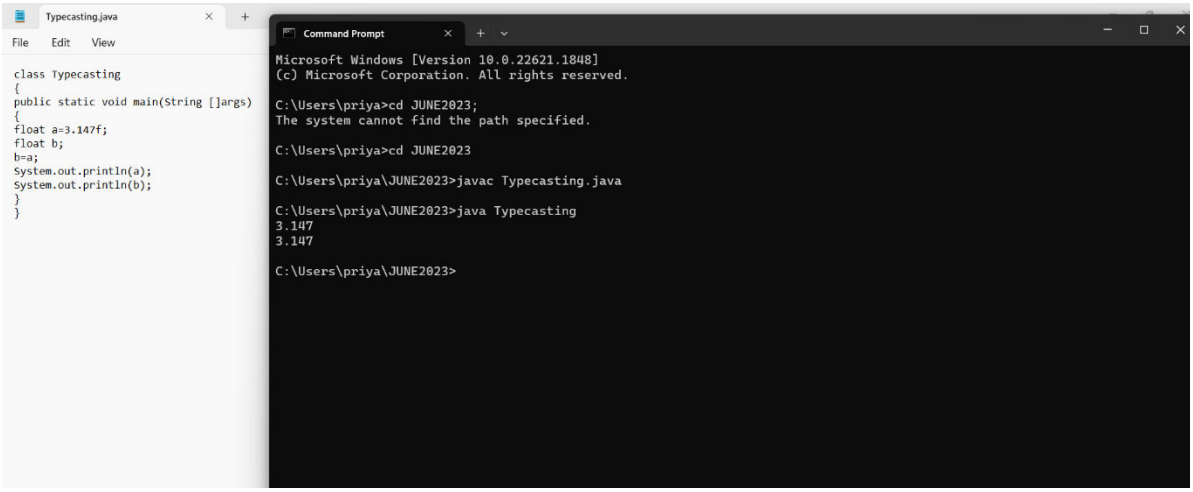


FLOAT TO FLOAT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
float a=3.147f;
float b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

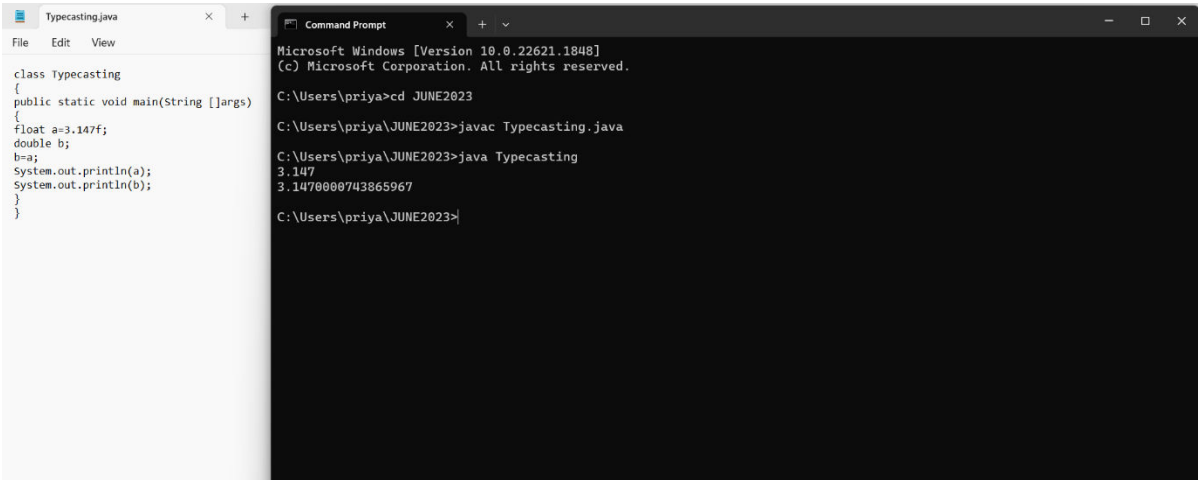


FLOAT TO DOUBLE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
float a=3.147f;
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



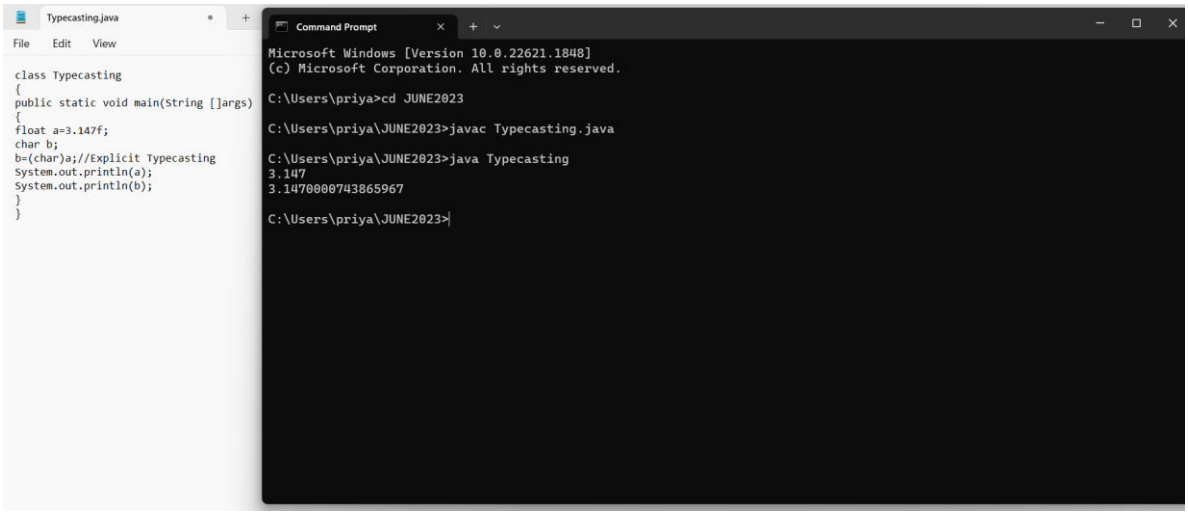
FLOAT TO CHAR:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
float a=3.147f;
char b;
b=a;//ERROR
b=(char)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
```

}

OUTPUT:

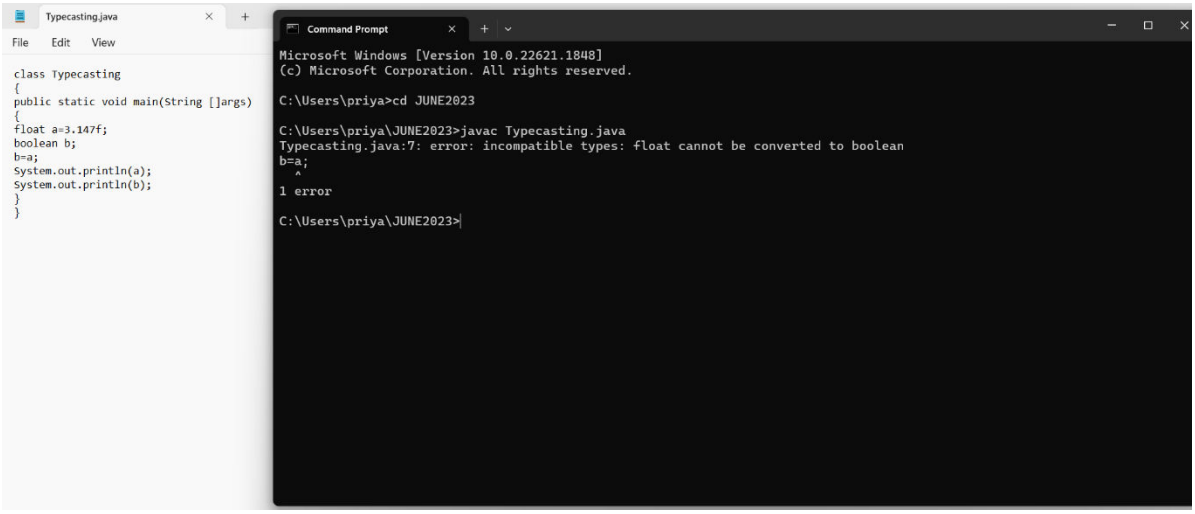


FLOAT TO BOOLEAN:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
float a=3.147f;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:



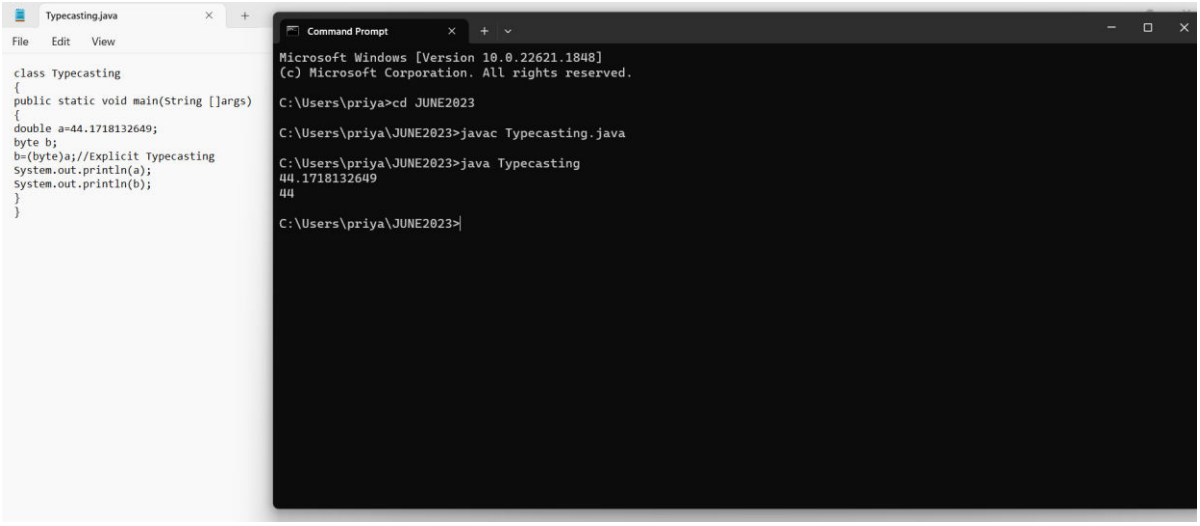
DOUBLE TO SHORT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
double a=44.1718132649;
byte b;
b=a;//ERROR
b=(byte)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
```

}

OUTPUT:



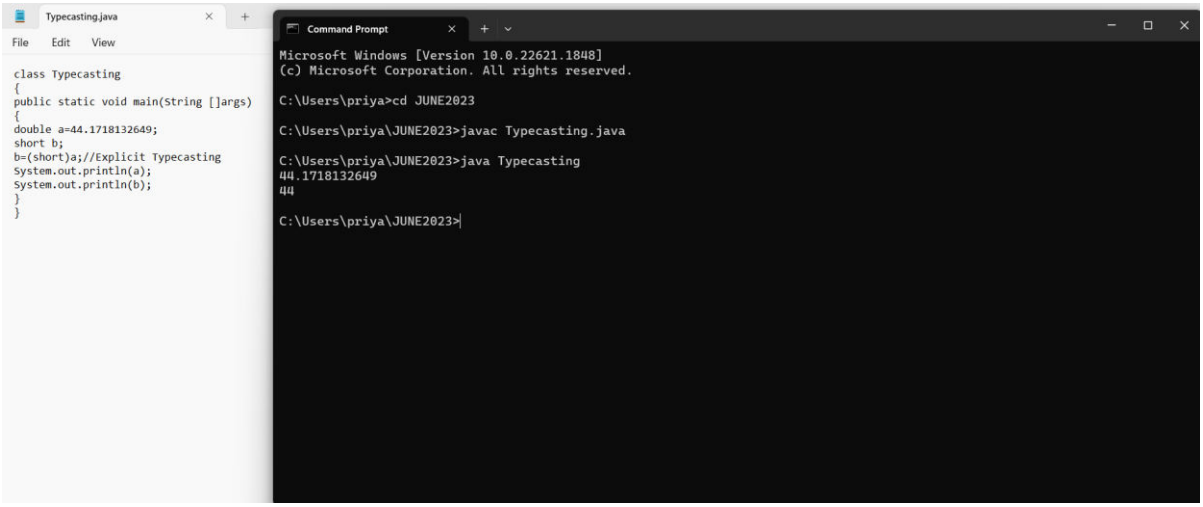
DOUBLE TO SHORT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
double a=44.1718132649;
short b;
b=a;//ERROR
b=(short)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
```

}

OUTPUT:



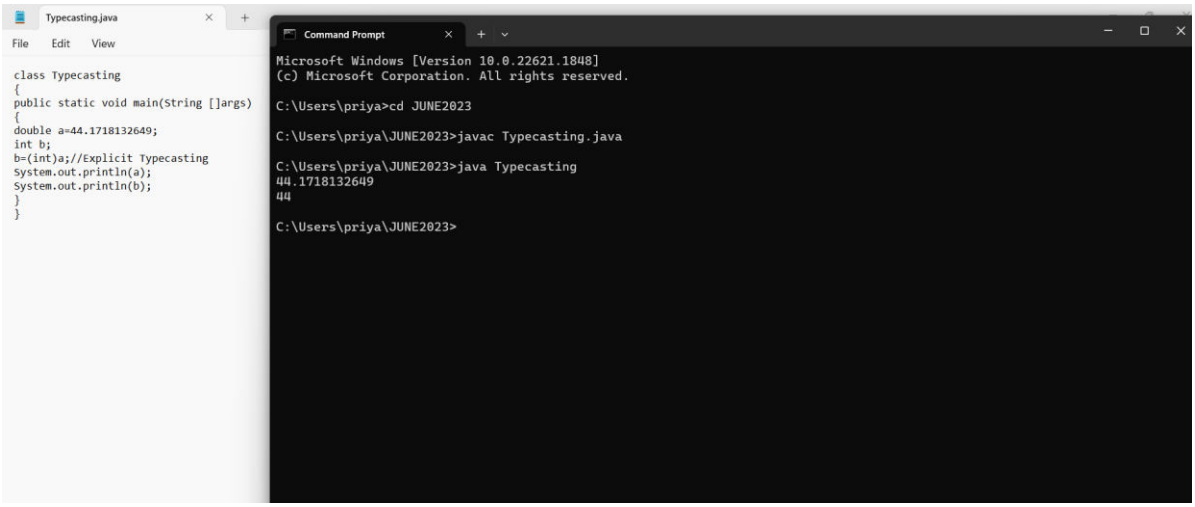
DOUBLE TO INT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
double a=44.1718132649;
int b;
b=a;//ERROR
b=(int)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
```

}

Output:



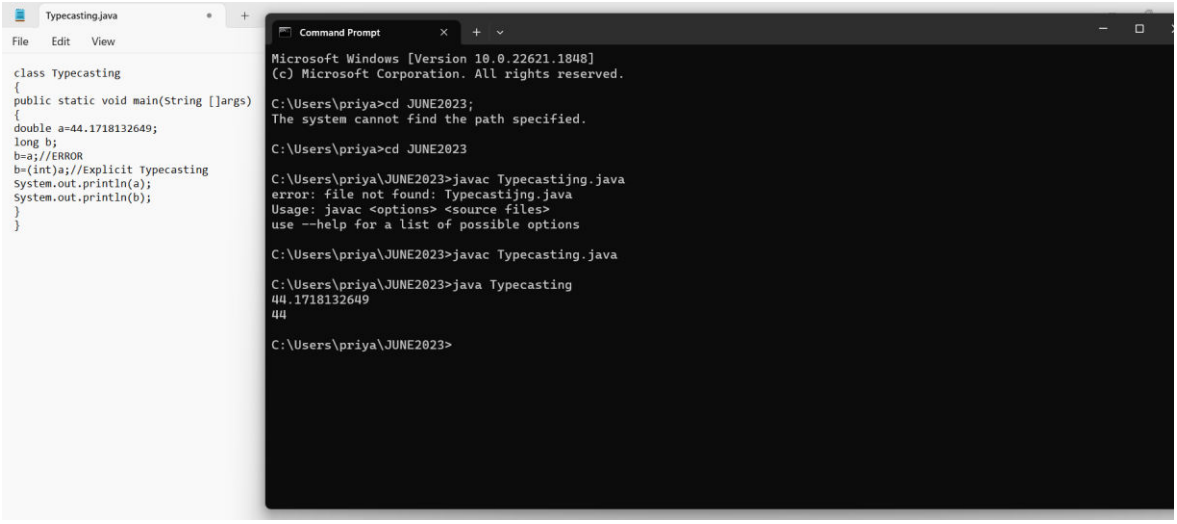
DOUBLE TO LONG:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
double a=44.1718132649;
long b;
b=a;//ERROR
b=(int)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
```

}

OUTPUT:



DOUBLE TO FLOAT:

PROGRAM:

class Typecasting

{

public static void main(String []args)

{

double a=44.1718132649;

float b;

b=a;//ERROR

b=(float)a;//Explicit Typecasting

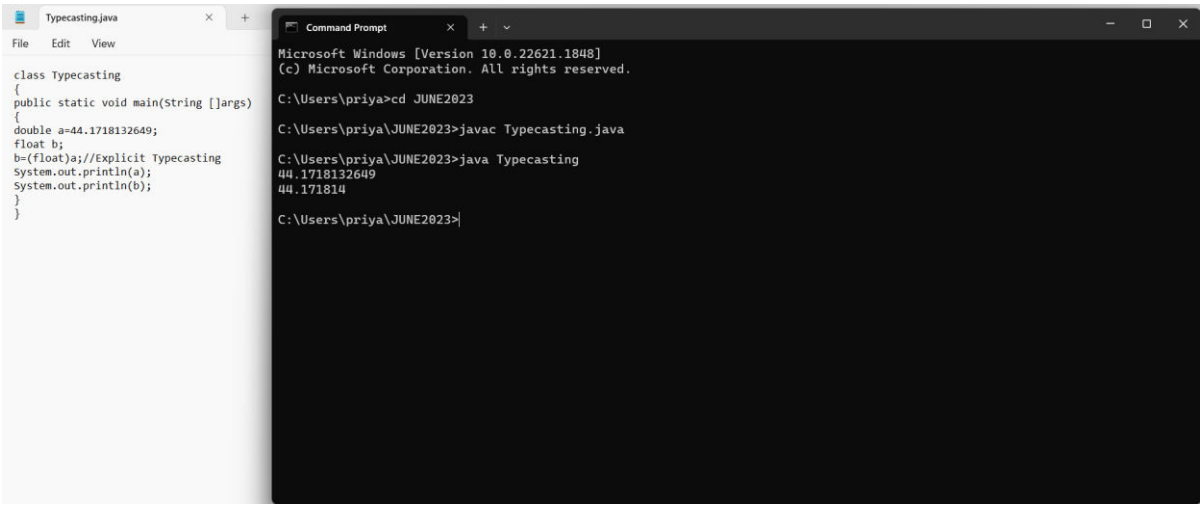
System.out.println(a);

System.out.println(b);

}

}

Output:

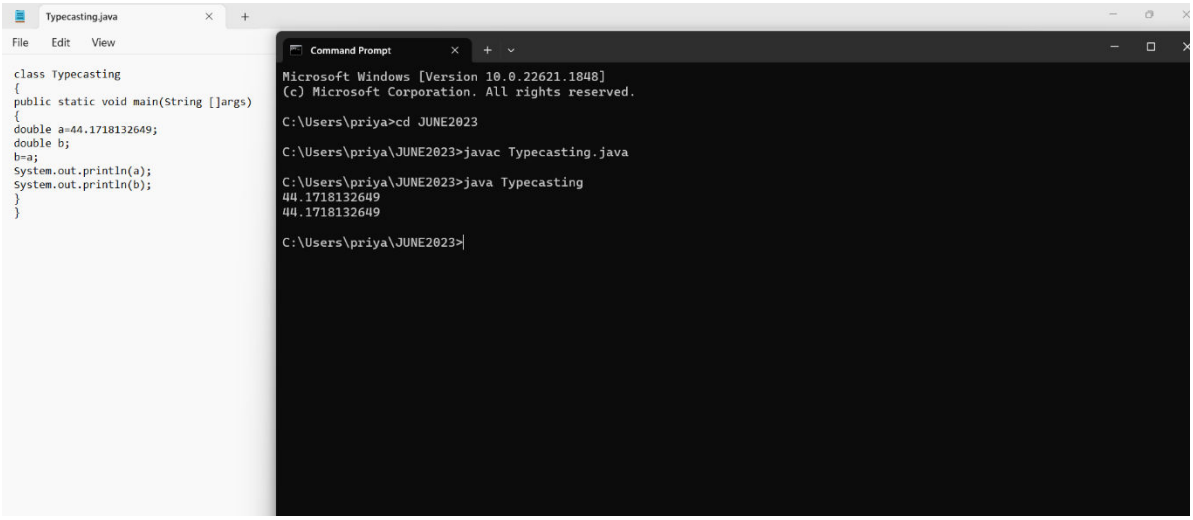


DOUBLE TO DOUBLE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
double a=44.1718132649;
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



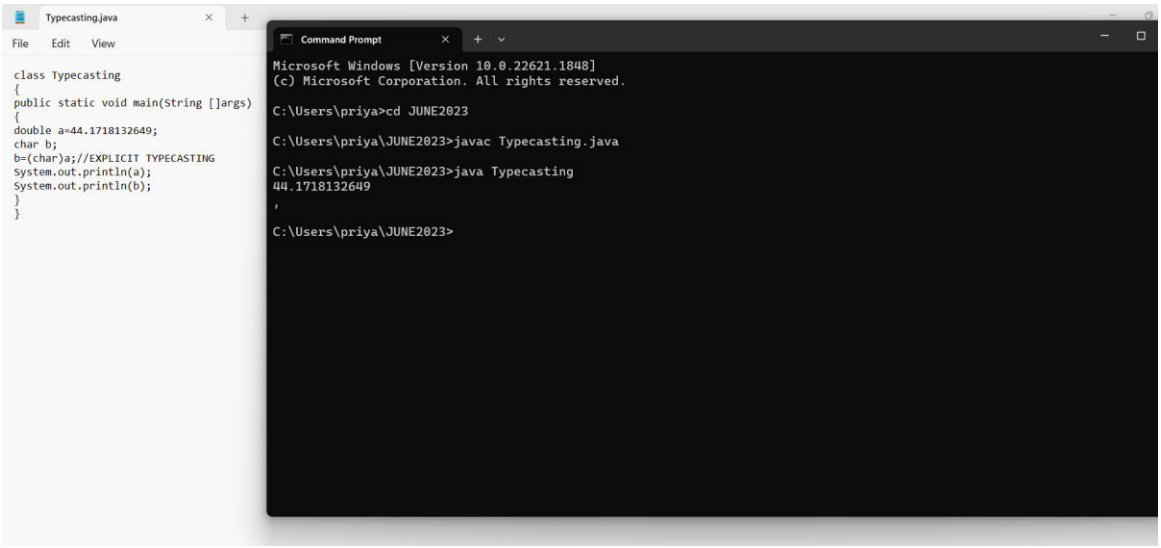
DOUBLE TO CHAR:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
double a=44.1718132649;
char b;
b=a;//ERROR
b=(char)a;//EXPLICIT TYPECASTING
System.out.println(a);
System.out.println(b);
}
```

}

OUTPUT:

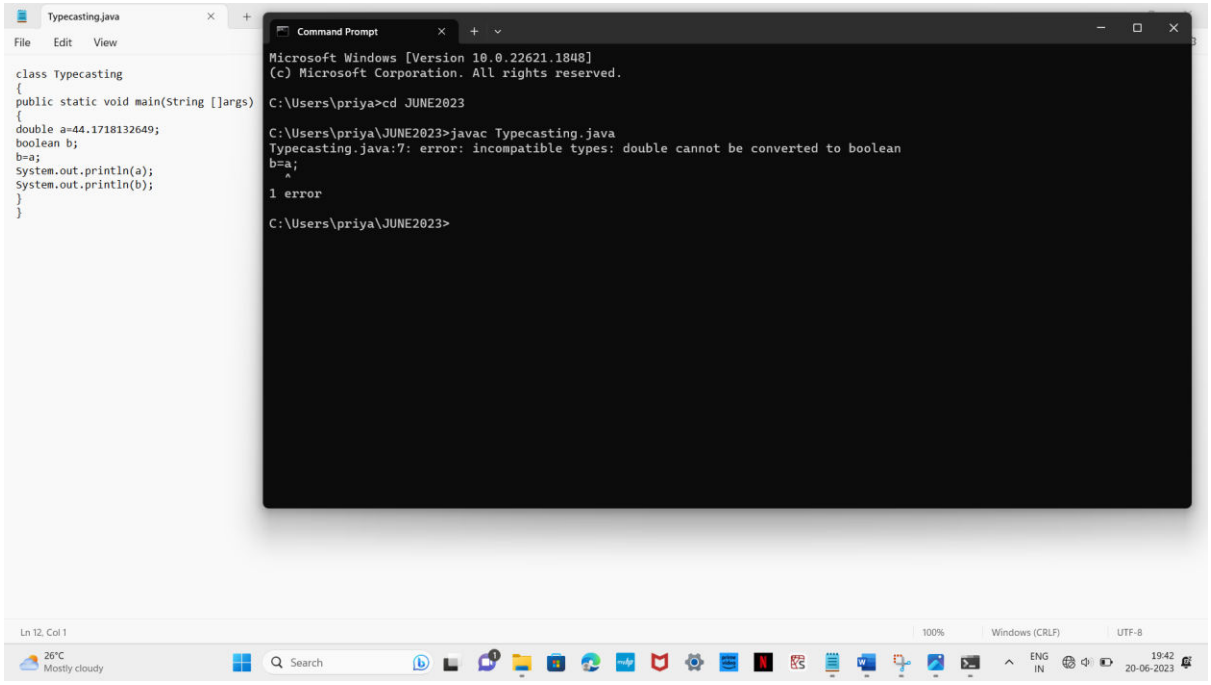


DOUBLE TO BOOLEAN:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
double a=44.1718132649;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



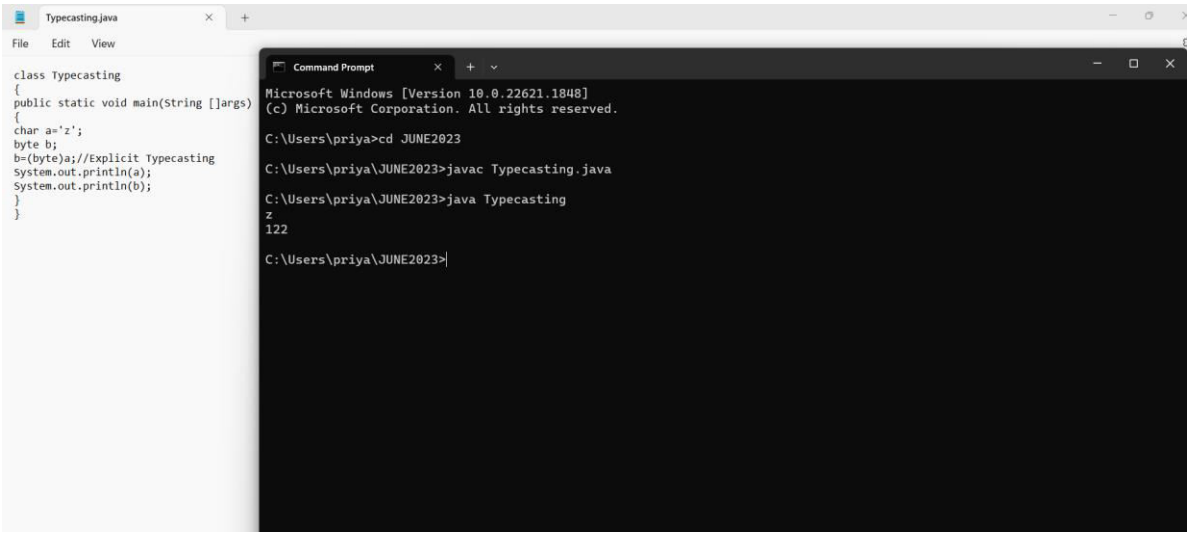
CHAR TO BYTE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
char a='z';
byte b;
b=a;//ERROR
b=(byte)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
```

}

Output:



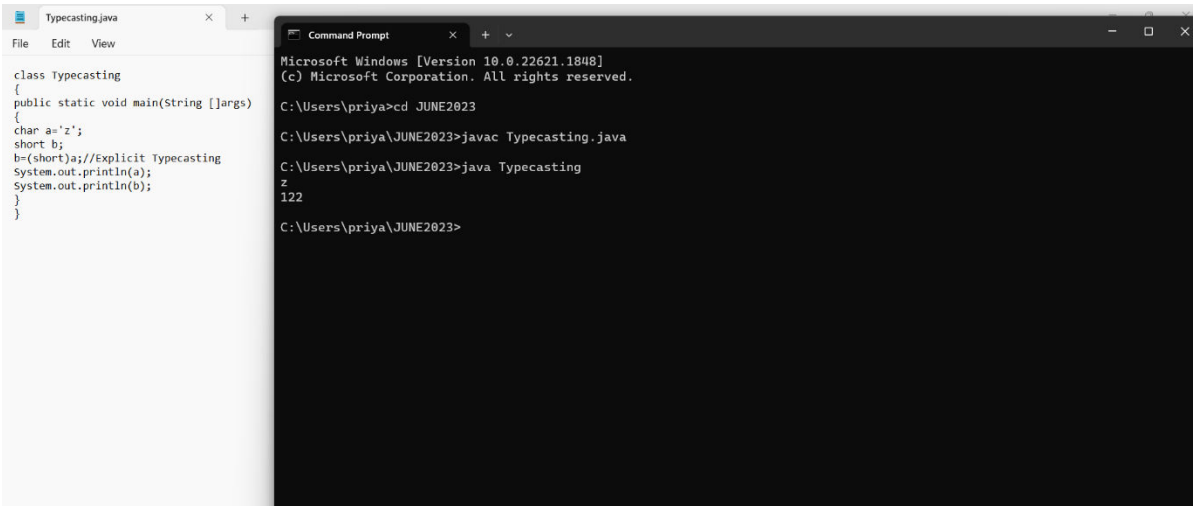
CHAR TO SHORT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
char a='z';
short b;
b=a;//ERROR
b=(short)a;//Explicit Typecasting
System.out.println(a);
System.out.println(b);
}
```

}

OUTPUT:

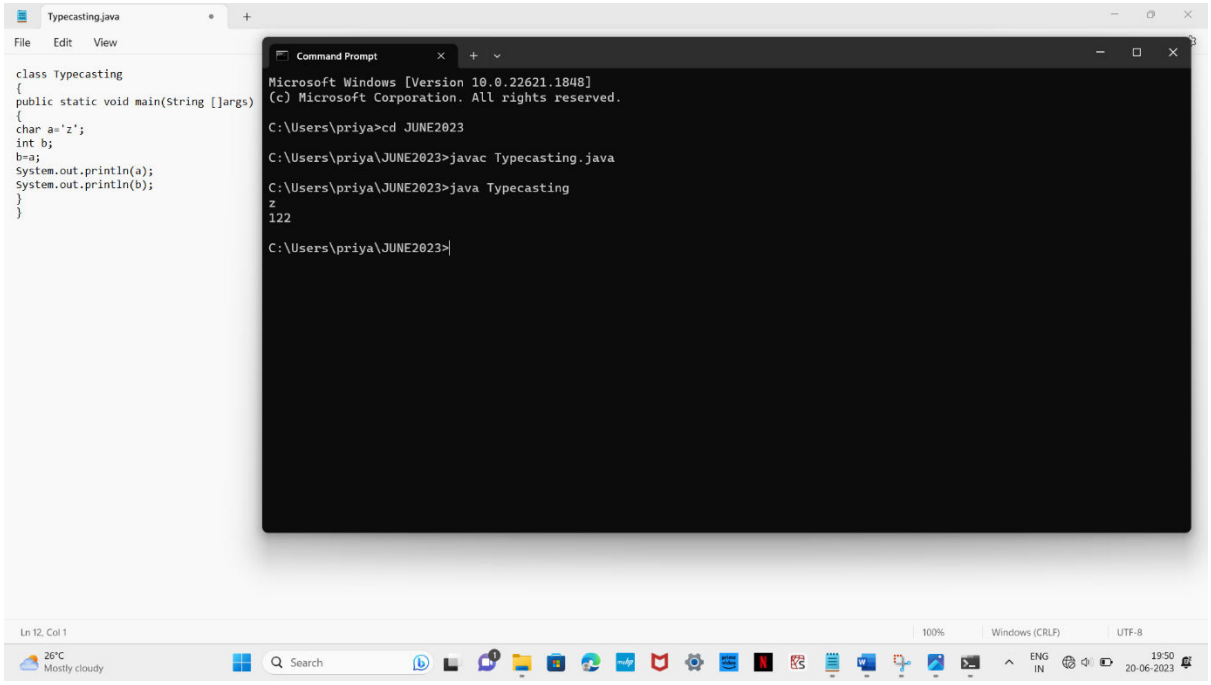


CHAR TO INT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
char a='z';
int b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

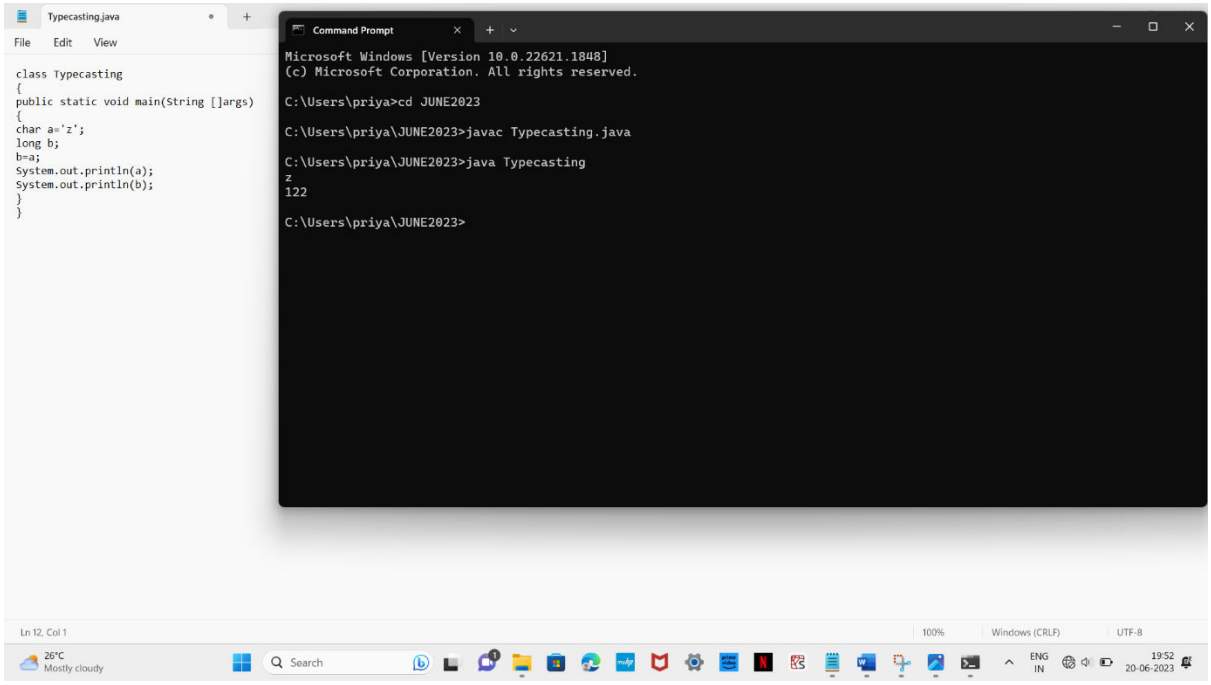


CHAR TO LONG:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
char a='z';
long b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:

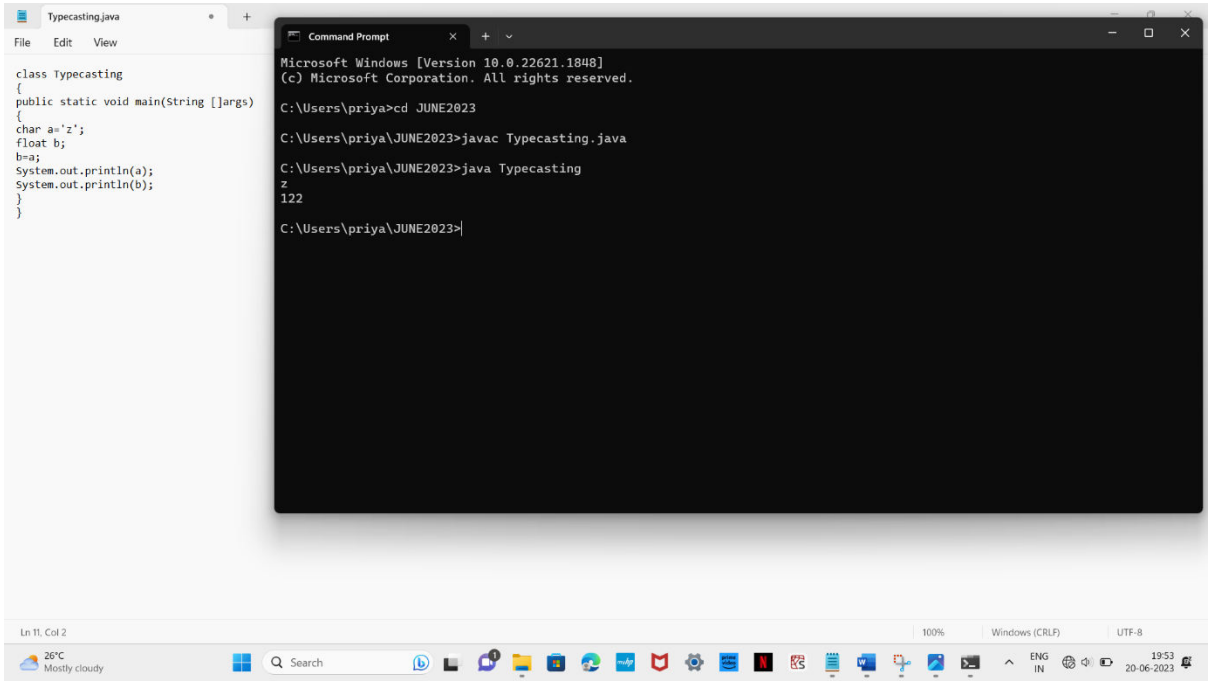


CHAR TO FLOAT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
char a='z';
float b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:

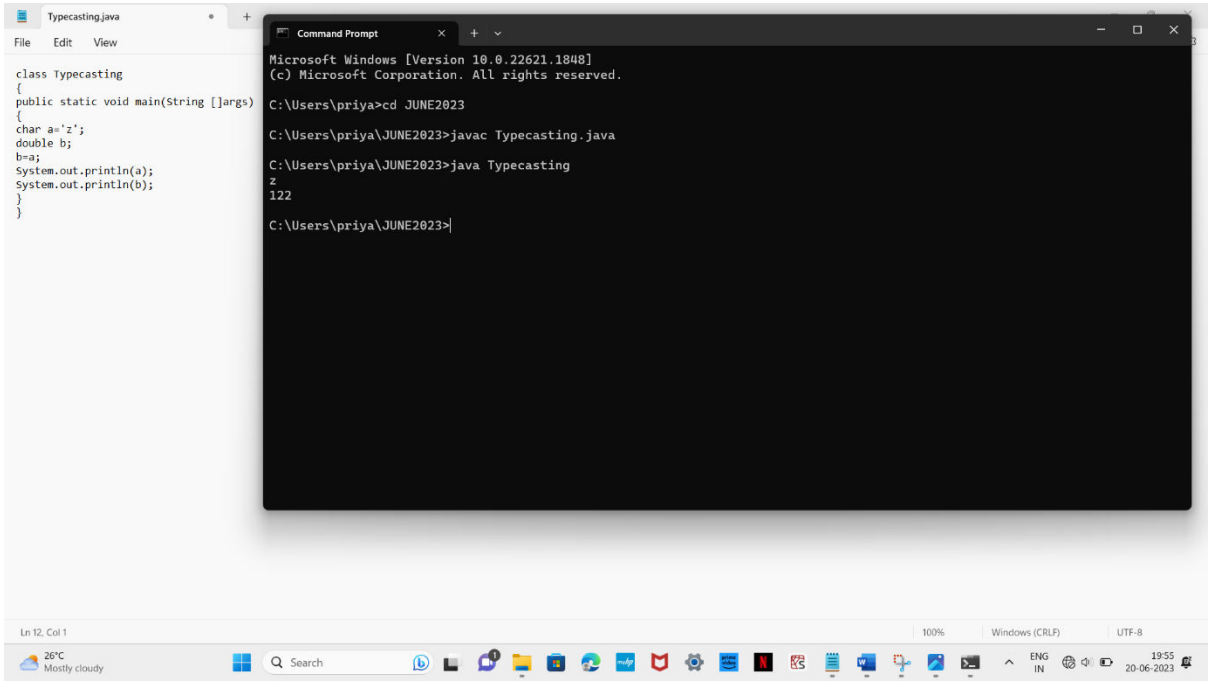


CHAR TO DOUBLE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
char a='z';
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:

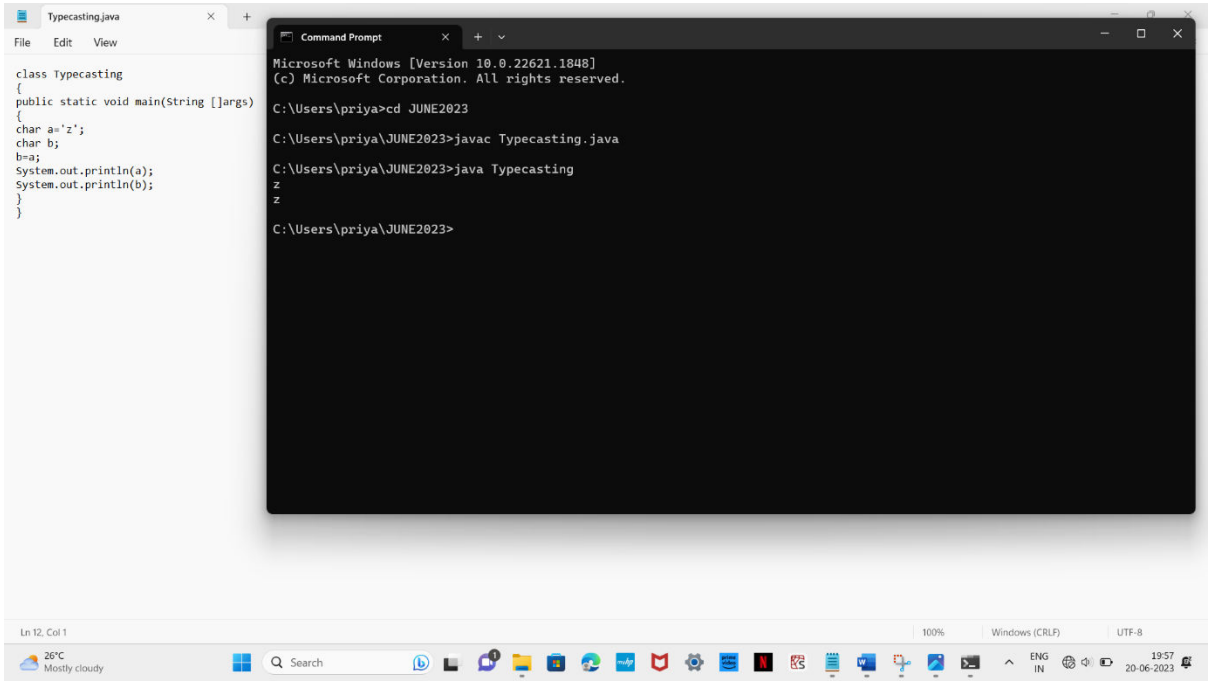


CHAR TO CHAR:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
char a='z';
char b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:

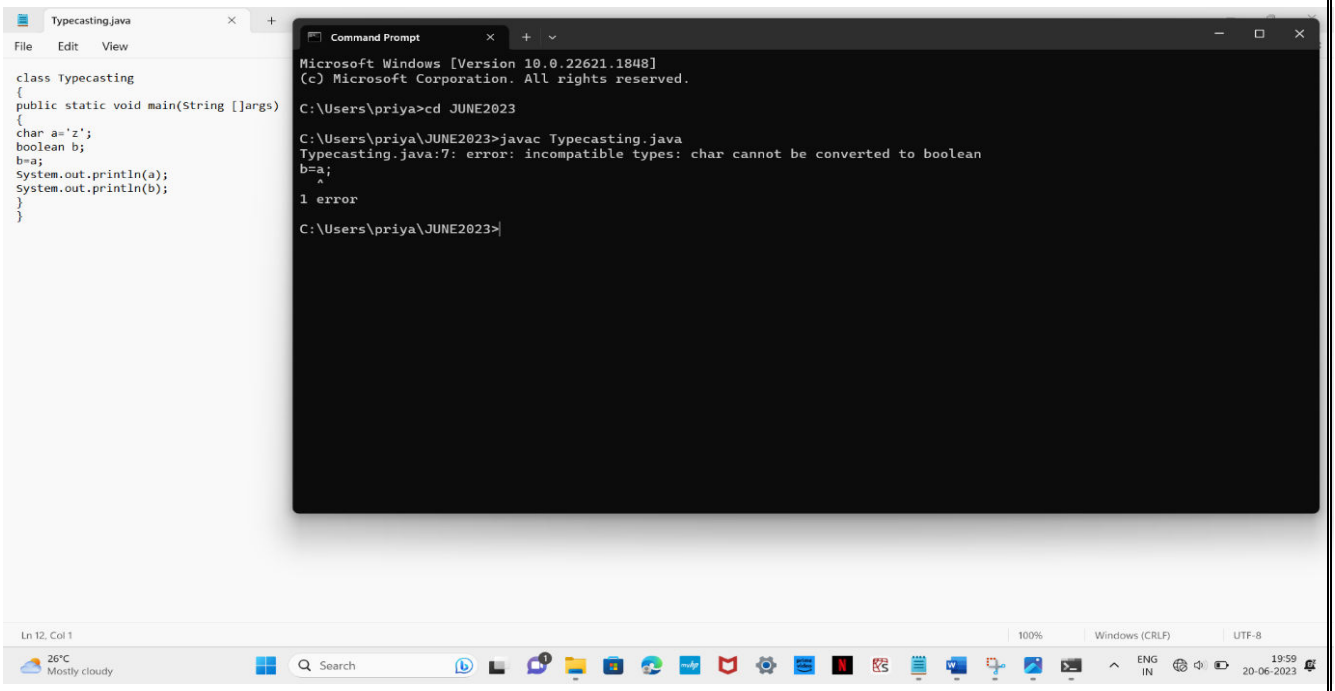


CHAR TO BOOLEAN:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
char a='z';
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:

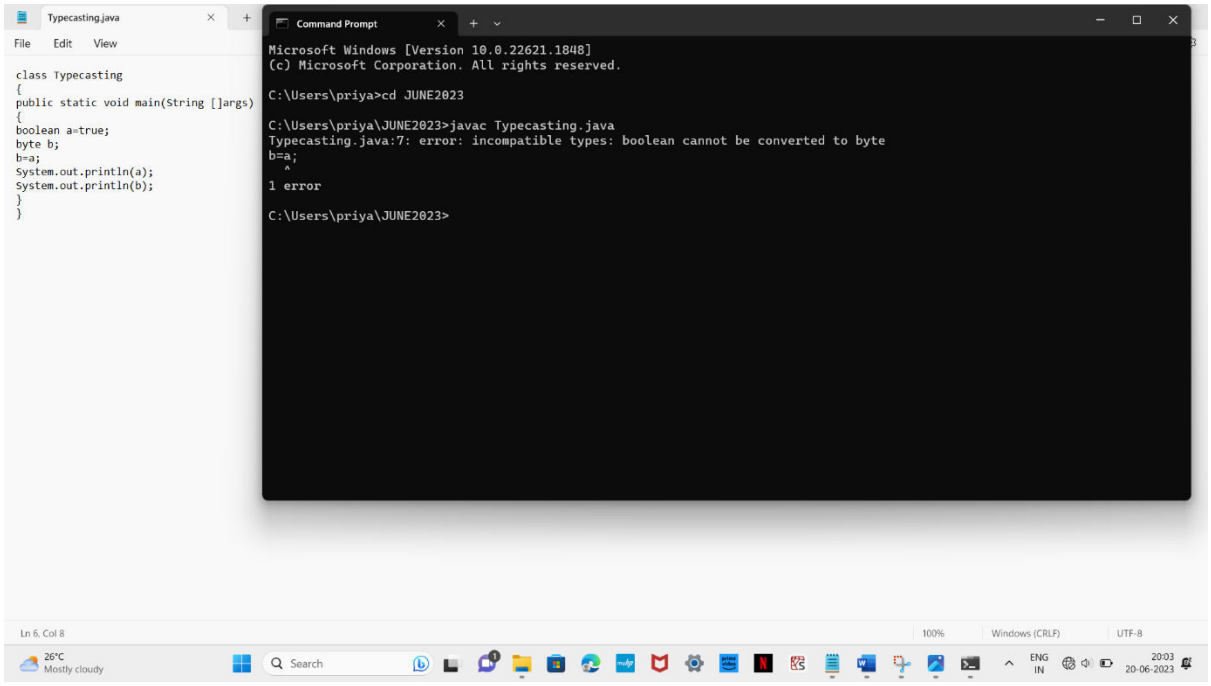


BOOLEAN TO BYTE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
boolean a=true;
byte b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:

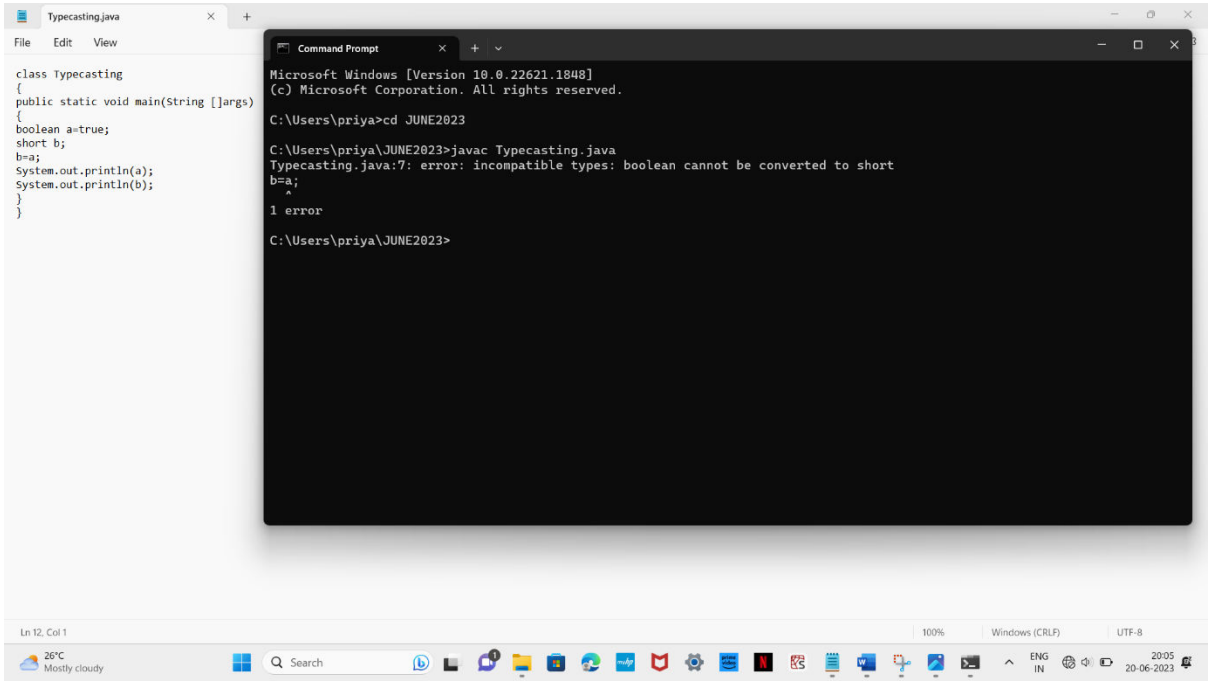


BOOLEAN TO SHORT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
boolean a=true;
short b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:

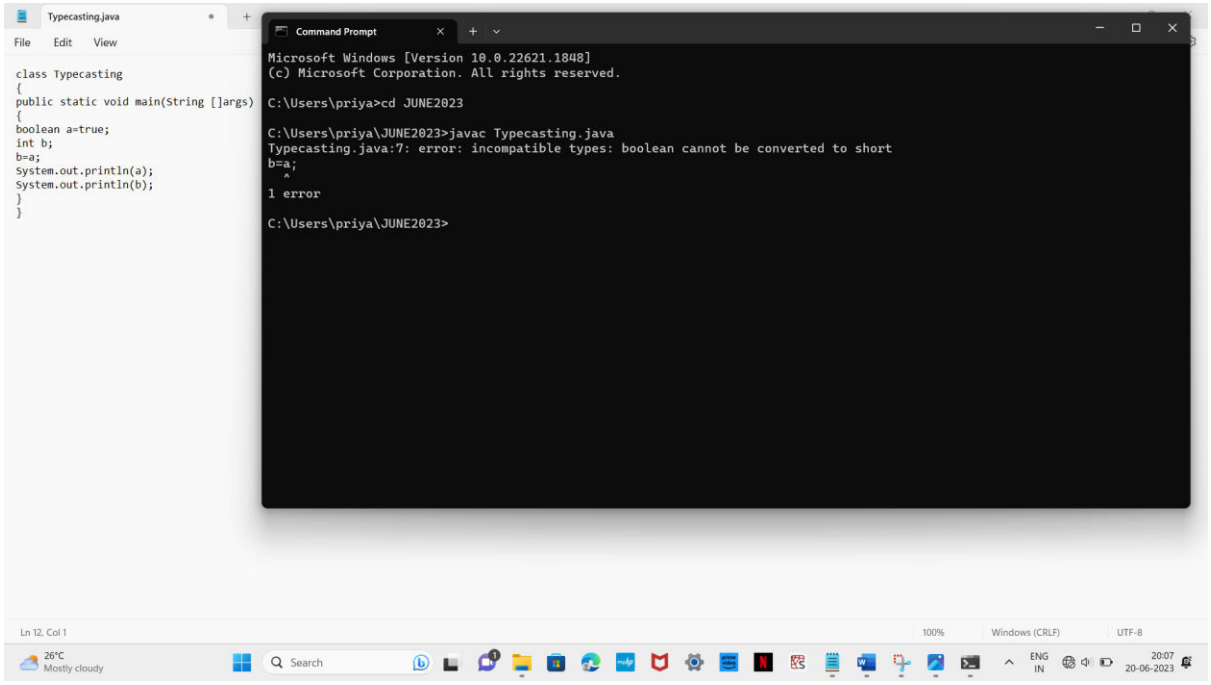


BOOLEAN TO INT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
boolean a=true;
int b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:

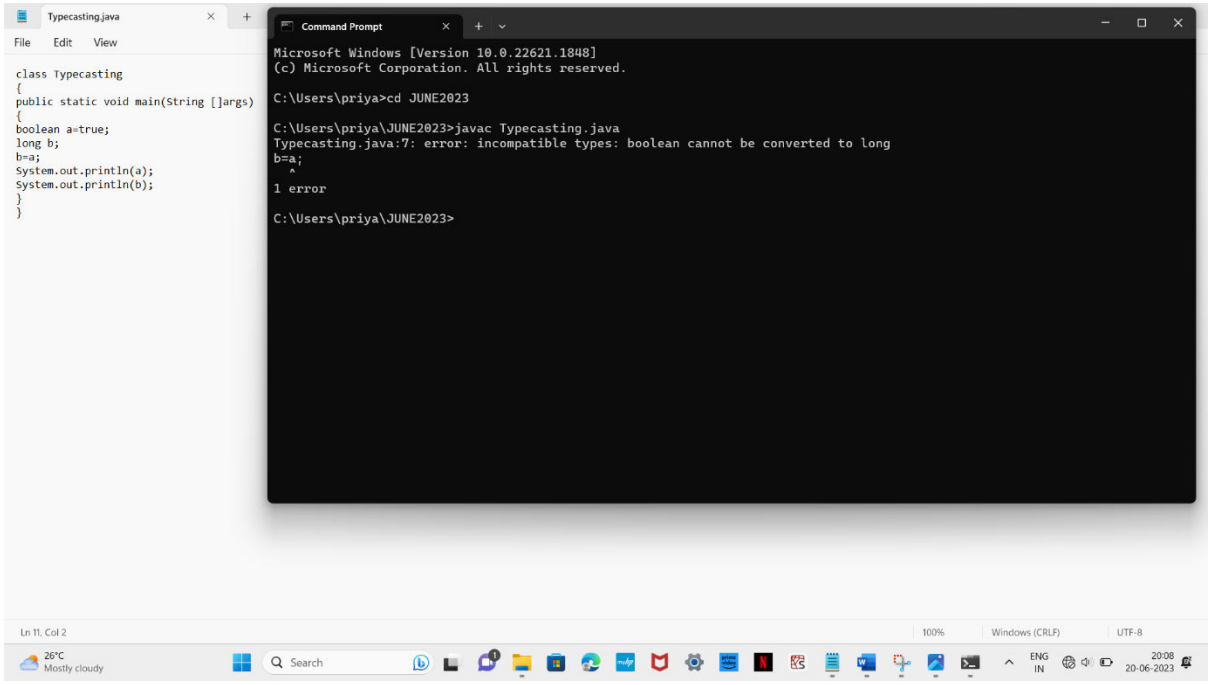


BOOLEAN TO LONG:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
boolean a=true;
long b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

Output:



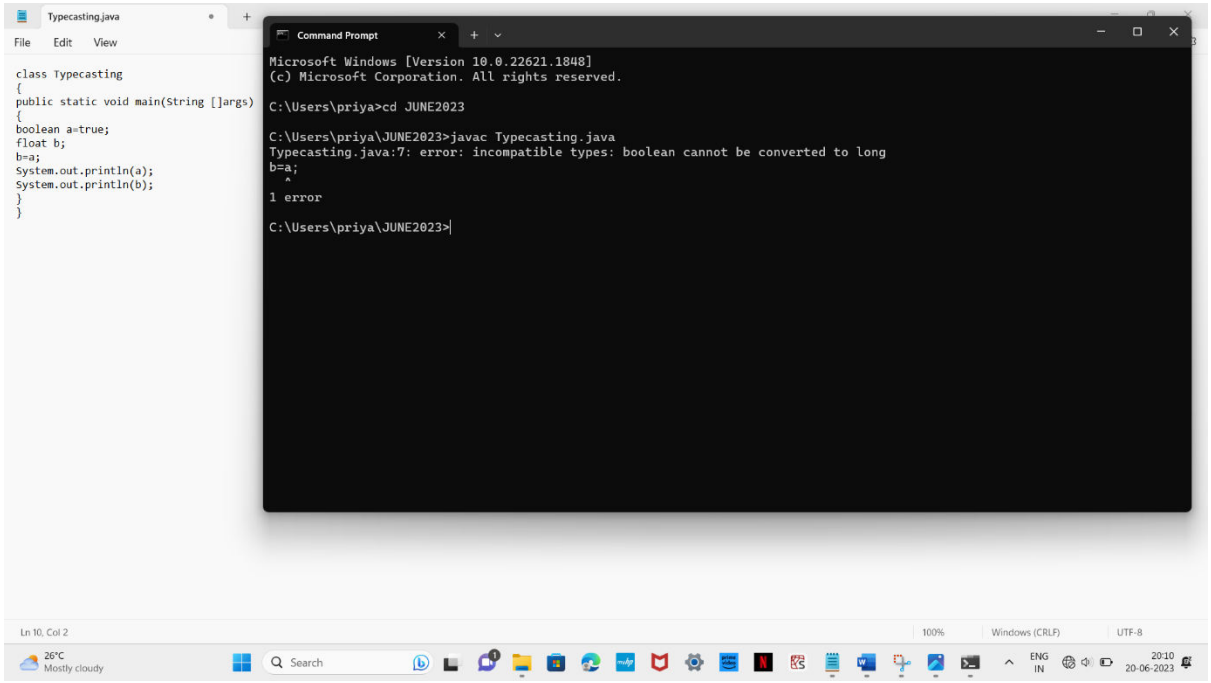
BOOLEAN TO FLOAT:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
boolean a=true;
float b;
b=a;
System.out.println(a);
System.out.println(b);
}
```

}

Output:



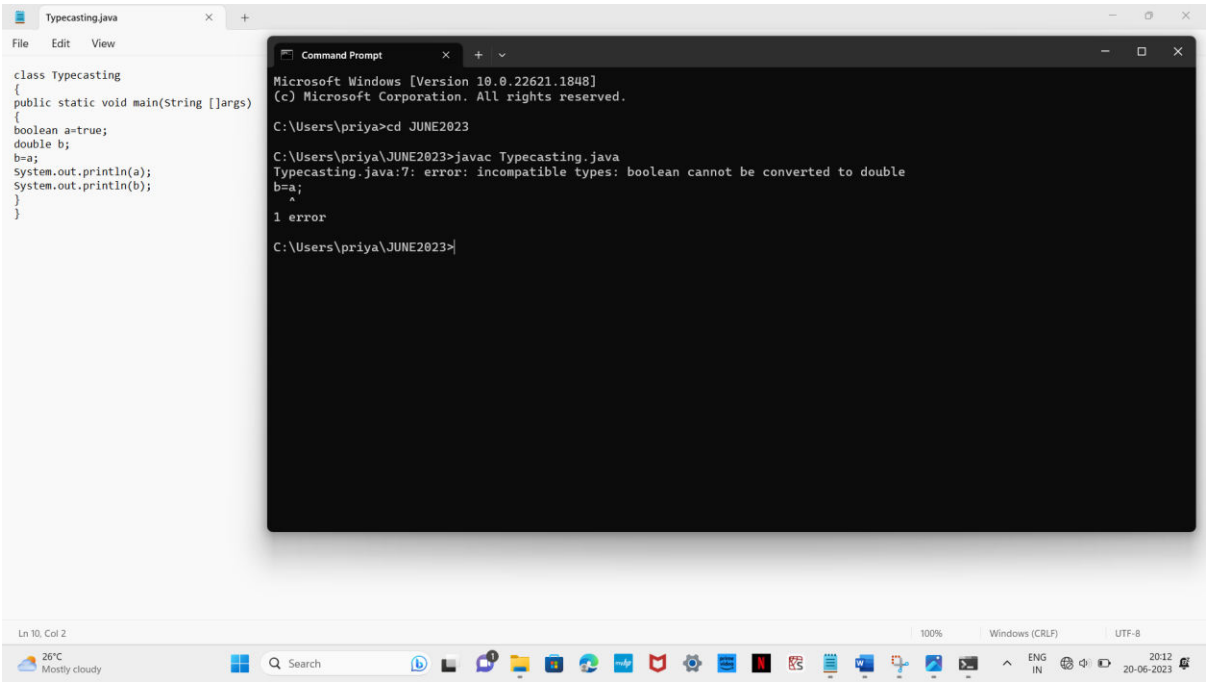
BOOLEAN TO DOUBLE:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
boolean a=true;
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
```

}

Output:



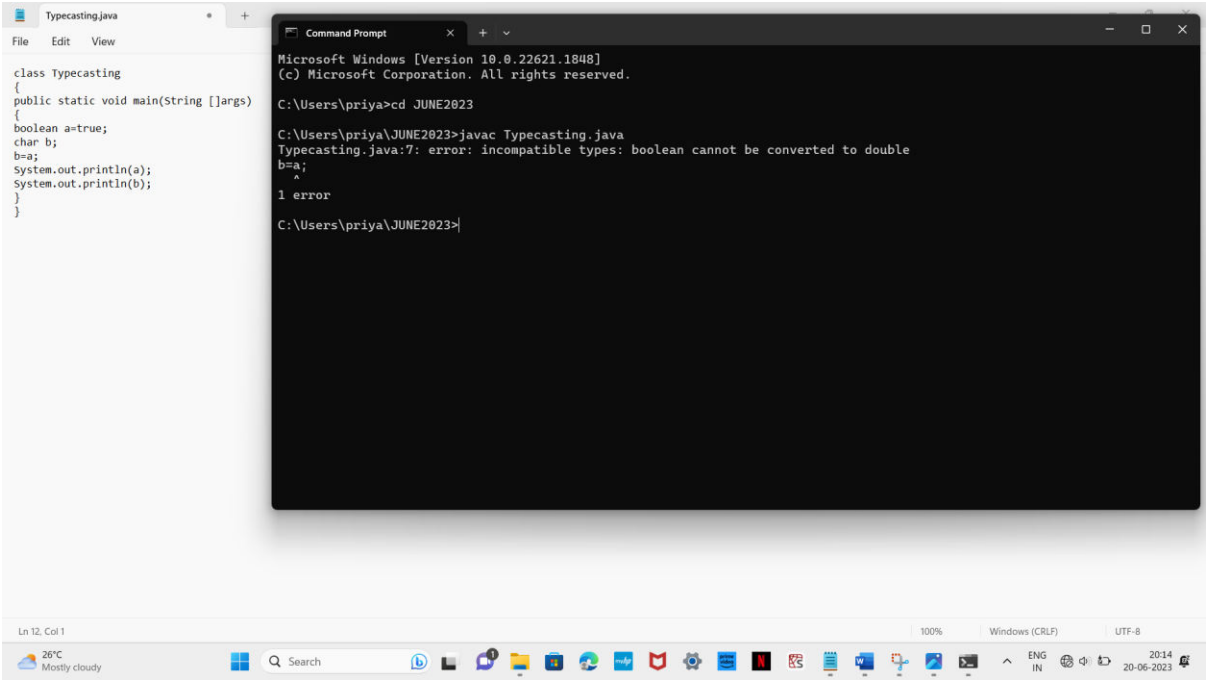
BOOLEAN TO CHAR:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
boolean a=true;
char b;
b=a;
System.out.println(a);
System.out.println(b);
}
```

}

Output:



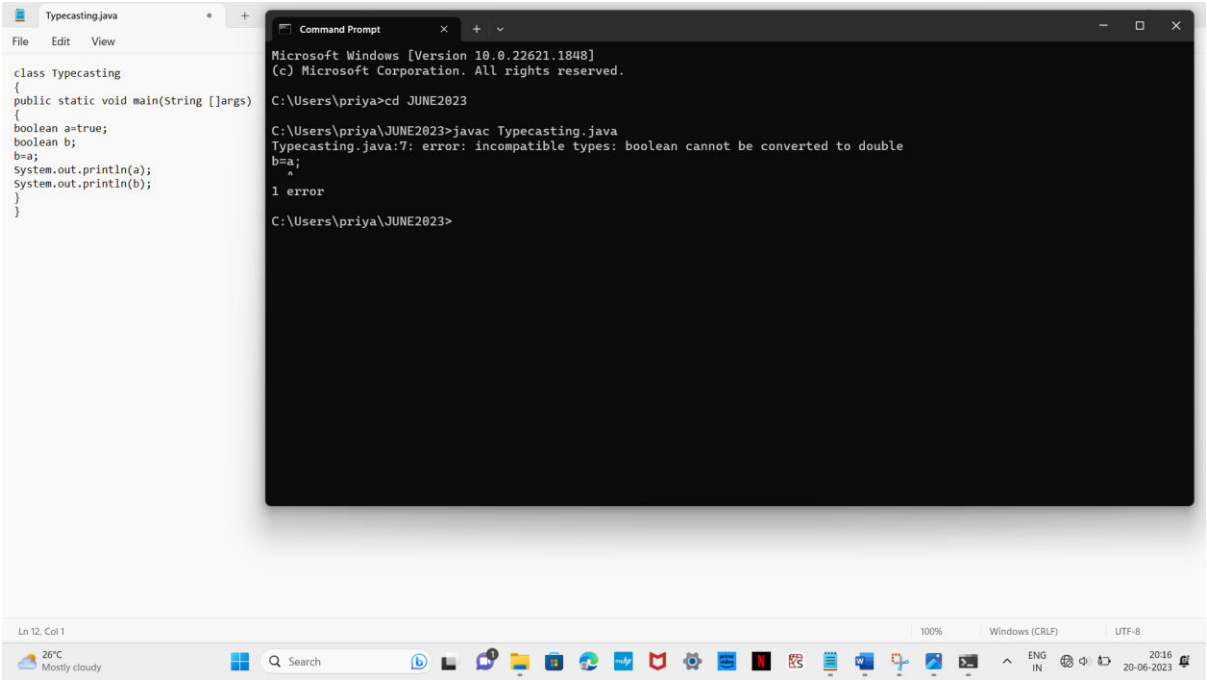
BOOLEAN TO BOOLEAN:

PROGRAM:

```
class Typecasting
{
public static void main(String []args)
{
boolean a=true;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
```

}

OUTPUT:



TYPE CASTING TABLE

	Char	byte	short	int	long	float	double	boolean
Char	NCR	EC	EC	IC	IC	IC	IC	NF
Byte	IC	NCR	IC	IC	IC	IC	IC	NF
Short	EC	EC	NCR	IC	IC	IC	IC	IC
int	EC	EC	EC	NCR	IC	IC	IC	IC
Long	EC	EC	EC	EC	NCR	IC	IC	IC
Float	EC	EC	EC	EC	EC	NCR	IC	IC
Double	EC	EC	EC	EC	EC	EC	NCR	IC
boolean	IC	IC	IC	IC	IC	IC	IC	NCR