TYPE CASTING CHART

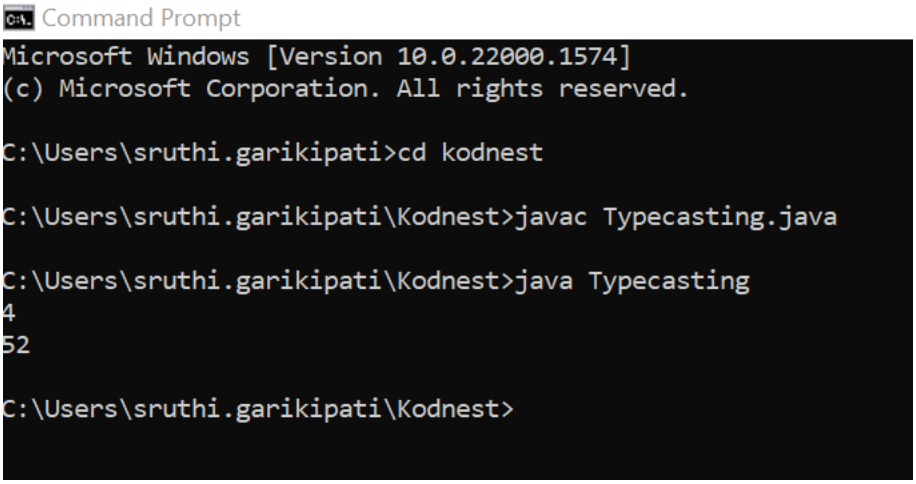
Program 1 : Char to Char

Casting Not Requried. Because same Datatypes.

Program 2 : Char to byte

```
class Typecasting
{
public static void main (String[]args)
{
char a = '4' ;
byte b;
b=(byte)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT :



Conclusion :

Char to byte conversion is Explict Type Casting.

Program 3: Char to Short

```
class Typecasting
{
public static void main (String[]args)
{
char a = '4' ;
short b;
b= (short)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: possible lossy conversion from char to short
b= a;
   ^
1 error

C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
4
52

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

Char to Short conversion is Explict Type Casting.

Program 4: Char to int

```
class Typecasting
{
public static void main (String[]args)
{
char a = '4' ;
int b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
4
52

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

Char to int conversion is Implict Type Casting.

Program 5 : Char to long

```
class Typecasting
{
public static void main (String[]args)
{
char a = '4' ;
long b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT :

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
4
52

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

Char to long conversion is Implict Type Casting.

Program 6 : Char to float

```
class Typecasting
{
public static void main (String[]args)
{
char a = '4' ;
float b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT :

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
4
52.0

C:\Users\sruthi.garikipati\Kodnest>
```

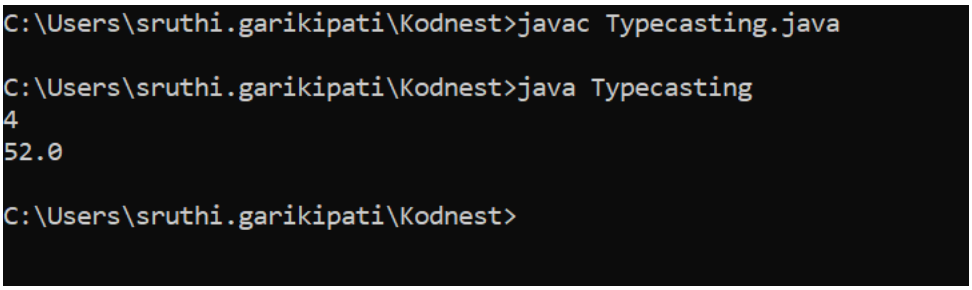
Conclusion :

Char to float conversion is Implict Type Casting.

Program 7 : Char to Double

```
class Typecasting
{
public static void main (String[]args)
{
char a = '4' ;
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



Conclusion :

Char to Double conversion is Implict Type Casting.

Program 8: Char to Boolean

```
class Typecasting
{
public static void main (String[]args)
{
char a = '4' ;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

```
class Typecasting
{
public static void main (String[]args)
{
char a = '4' ;
boolean b;
b=(boolean)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT :

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: char cannot be converted to boolean
b=a;
  ^
1 error

C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: char cannot be converted to boolean
b=(boolean)a;
          ^
1 error

C:\Users\sruthi.garikipati\Kodnest>
```

Program 9: byte to char

```
class Typecasting
{
public static void main (String[]args)
{
byte a = 60 ;
char b;
b=(char)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
60
<

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

byte to char conversion is Implict Type Casting.

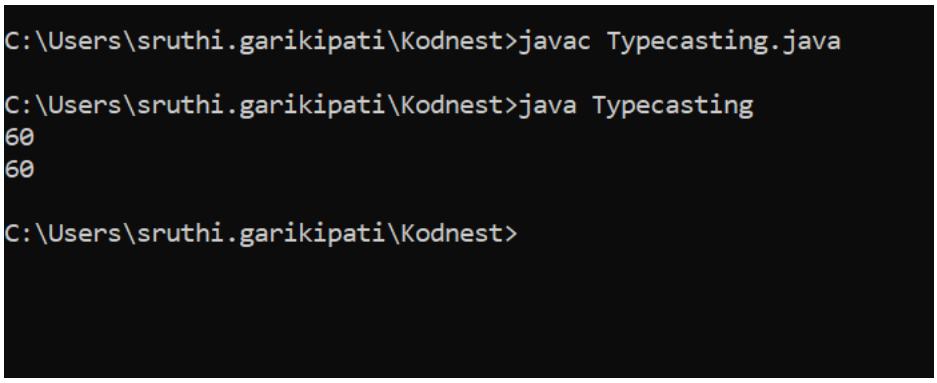
Program 10: byte to byte

Casting Not Requried. Because same Datatypes.

Program 11: byte to short

```
class Typecasting
{
public static void main (String[]args)
{
byte a = 60 ;
short b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



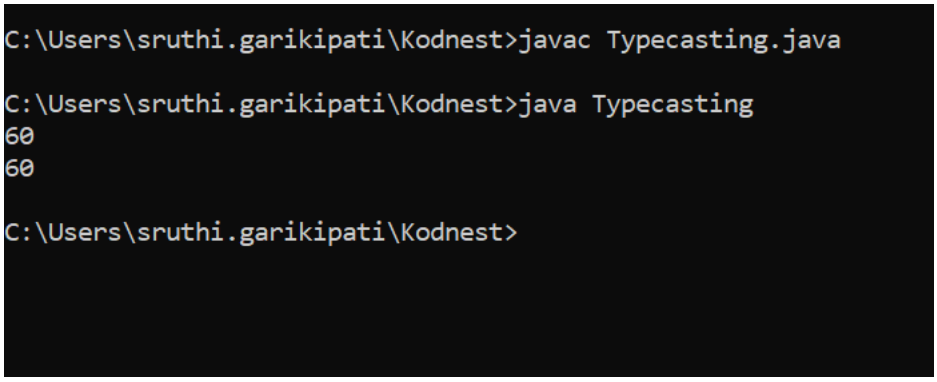
Conclusion :

byte to short conversion is Implict Type Casting.

Program 12: byte to int

```
class Typecasting
{
public static void main (String[]args)
{
byte a = 60 ;
int b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



Conclusion :

byte to int conversion is Implict Type Casting.

Program 13 : byte to long

```
class Typecasting
{
public static void main (String[]args)
{
byte a = 60 ;
long b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT :

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
60
60

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

byte to long conversion is Implict Type Casting.

Program 14: byte to float

```
class Typecasting
{
public static void main (String[]args)
{
byte a = 60 ;
float b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT :

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
60
60.0

C:\Users\sruthi.garikipati\Kodnest>
```

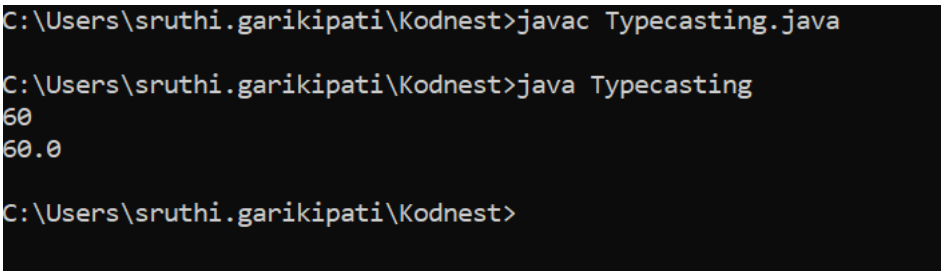
Conclusion :

byte to float conversion is Implict Type Casting.

Program 15: byte to double

```
class Typecasting
{
public static void main (String[]args)
{
byte a = 60 ;
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT :



Conclusion :

byte to double conversion is Implict Type Casting.

Program 16: byte to boolean

```
class Typecasting
{
public static void main (String[]args)
{
byte a = 60 ;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

```
class Typecasting
{
public static void main (String[]args)
{
byte a = 60 ;
boolean b;
b=(boolean)a;
System.out.println(a);
System.out.println(b);
}
}
```

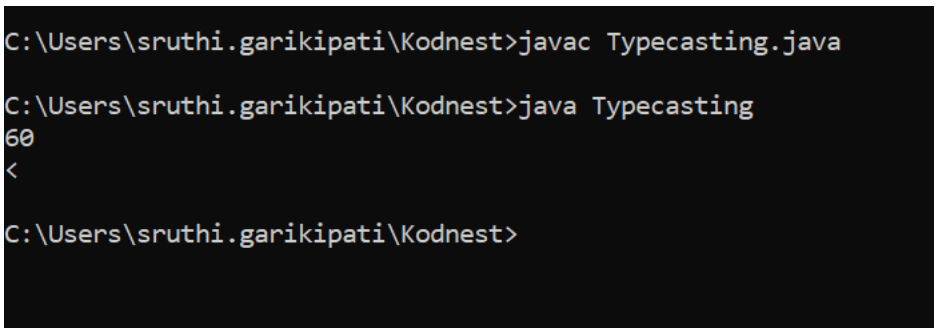
OUTPUT :

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: byte cannot be converted to boolean
b=a;
  ^
1 error

C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: byte cannot be converted to boolean
b=(boolean)a;
          ^
1 error

C:\Users\sruthi.garikipati\Kodnest>
```

Program 17 : short to char

```
class Typecasting
{
public static void main (String[]args)
{
short a = 60;
char b;
b=(char)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



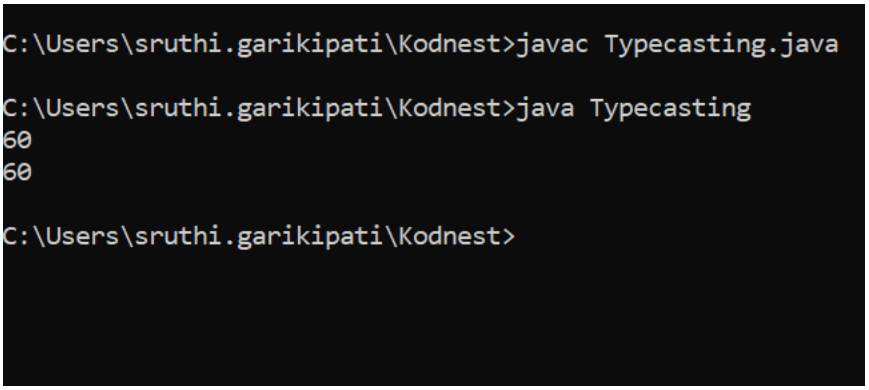
Conclusion :

short to char conversion is Explict Type Casting.

Program 18 : short to byte

```
class Typecasting
{
public static void main (String[]args)
{
short a = 60;
byte b;
b=(byte)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



Conclusion :

short to byte conversion is Explict Type Casting.

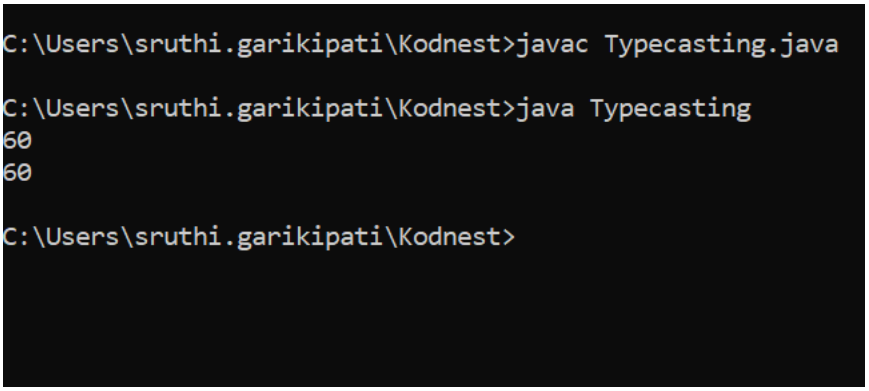
Program 19 : short to short

Casting Not Requried. Because same Datatypes.

Program 20 : short to int

```
class Typecasting
{
public static void main (String[]args)
{
short a = 60;
int b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



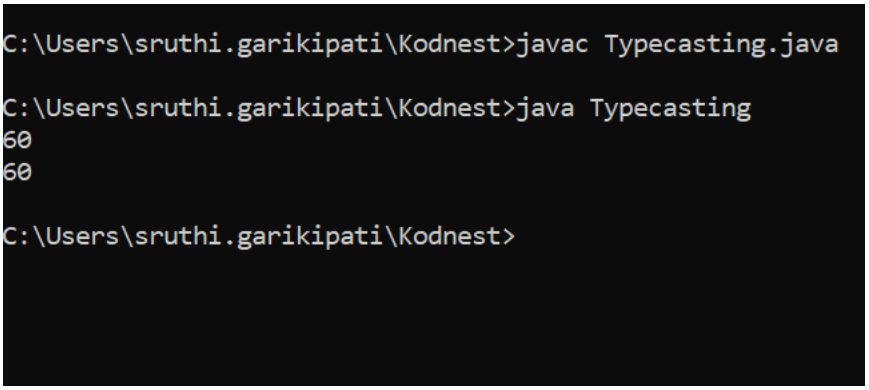
Conclusion :

short to int conversion is implict Type Casting.

Program 21: short to long

```
class Typecasting
{
public static void main (String[]args)
{
short a = 60;
long b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



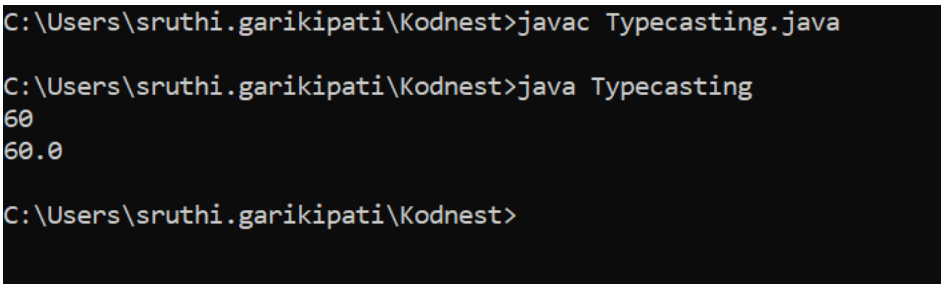
Conclusion :

short to long conversion is implict Type Casting.

Program 22 : short to float

```
class Typecasting
{
public static void main (String[]args)
{
short a = 60;
float b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



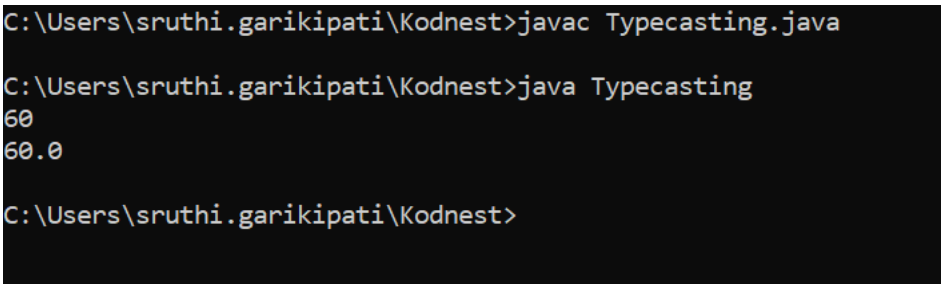
Conclusion :

short to float conversion is implict Type Casting.

Program 23 : short to Double

```
class Typecasting
{
public static void main (String[]args)
{
short a = 60;
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



Conclusion :

short to double conversion is implict Type Casting.

Program 24 : short to boolean

```
class Typecasting
{
public static void main (String[]args)
{
short a = 60;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

```
class Typecasting
{
public static void main (String[]args)
{
short a = 60;
boolean b;
b=(boolean)a;
System.out.println(a);
System.out.println(b);
}
}
```

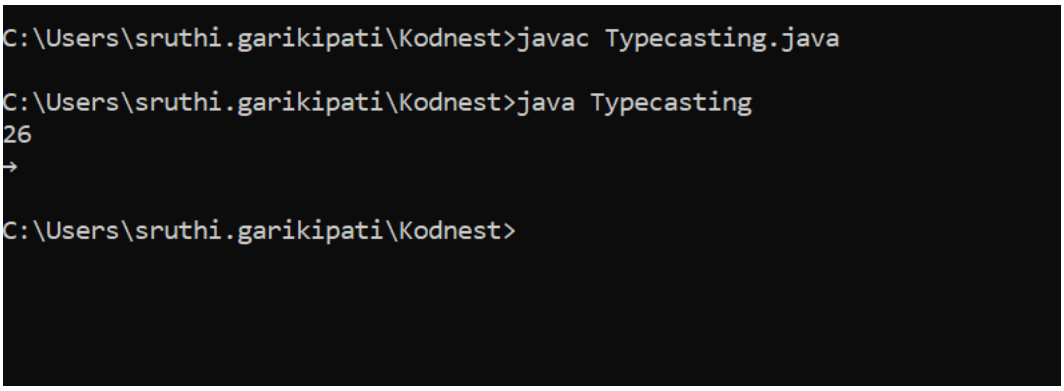
OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>java Typecasting.java
Typecasting.java:7: error: incompatible types: short cannot be converted to boolean
b=a;
  ^
1 error
error: compilation failed

C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: short cannot be converted to boolean
b=(boolean)a;
          ^
1 error

C:\Users\sruthi.garikipati\Kodnest>
```

Program 25 : int to char

```
class Typecasting
{
public static void main (String[]args)
{
int a = 26;
char b;
b=(char)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



Conclusion :

int to char conversion is Explict Type Casting.

Program 26 : int to byte

```
class Typecasting
{
public static void main (String[]args)
{
int a = 26;
byte b;
b=(byte)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
26
26

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

int to byte conversion is Explict Type Casting.

Program 27: int to short

```
class Typecasting
{
public static void main (String[]args)
{
int a = 26;
short b;
b=(short)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
26
26

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

int to short conversion is Explict Type Casting.

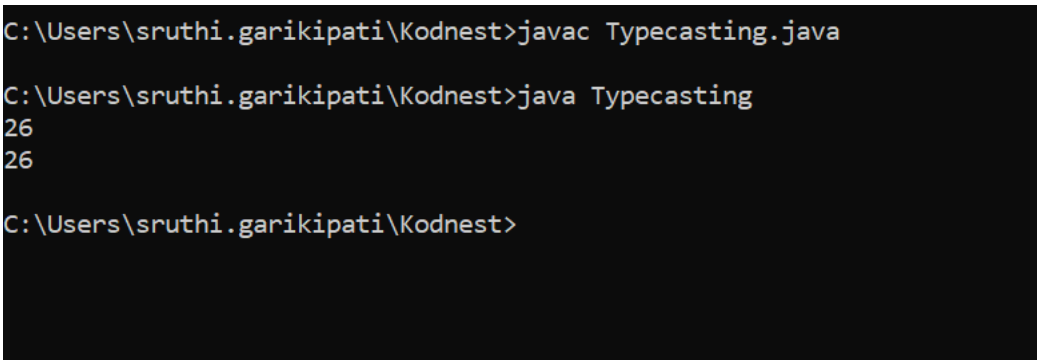
Program 28: int to int

Casting Not Requried. Because same Datatypes.

Program 29: int to long

```
class Typecasting
{
public static void main (String[]args)
{
int a = 26;
long b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



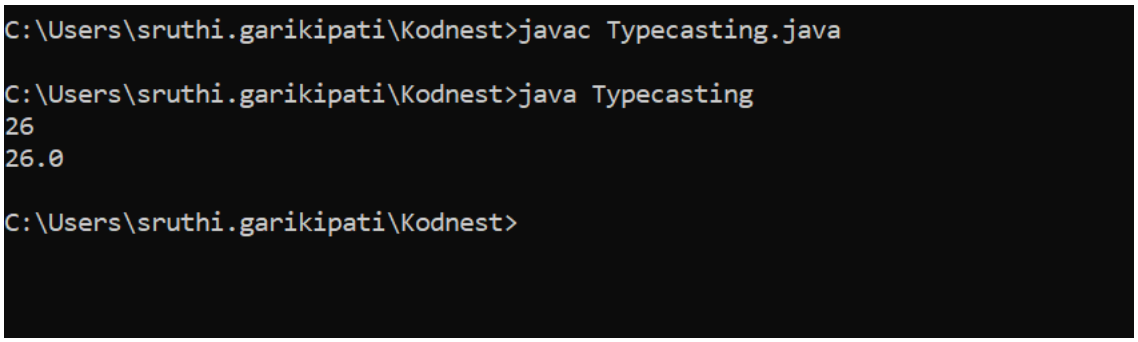
Conclusion :

int to long conversion is implict Type Casting.

Program 30: int to float

```
class Typecasting
{
public static void main (String[]args)
{
int a = 26;
float b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



Conclusion :

int to float conversion is implict Type Casting.

Program 31: int to double

```
class Typecasting
{
public static void main (String[]args)
{
int a = 26;
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
26
26.0

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

int to double conversion is implict Type Casting.

Program 32: int to boolean

```
class Typecasting
{
public static void main (String[]args)
{
int a = 26;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

```
class Typecasting
{
public static void main (String[]args)
{
int a = 26;
boolean b;
b=(boolean)a;
System.out.println(a);
System.out.println(b);
}
}
```

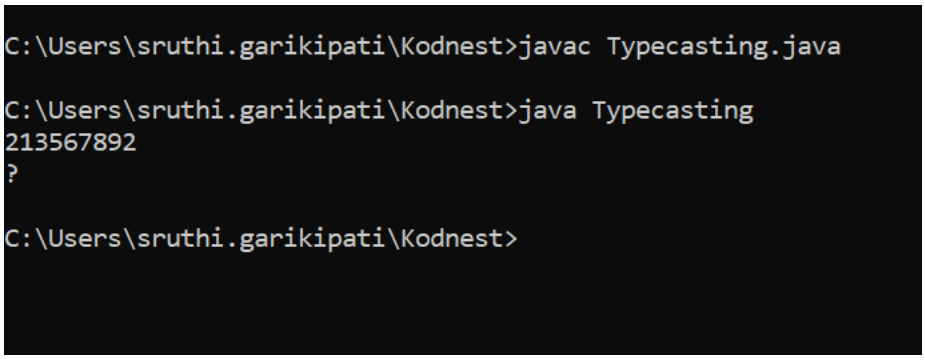
OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: int cannot be converted to boolean
b=a;
  ^
1 error

C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: int cannot be converted to boolean
b=(boolean)a;
          ^
1 error

C:\Users\sruthi.garikipati\Kodnest>
```

Program 33: long to char

```
class Typecasting
{
public static void main (String[]args)
{
long a = 2135678921;
char b;
b=(char)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



Conclusion :

Long to char conversion is Explict Type Casting.

Program 34: long to byte

```
class Typecasting
{
public static void main (String[]args)
{
long a = 213567892l;
byte b;
b=(byte)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
213567892
-108

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

Long to byte conversion is Explict Type Casting.

Program 35: long to short

```
class Typecasting
{
public static void main (String[]args)
{
long a = 213567892l;
short b;
b=(short)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
213567892
-13932

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

Long to short conversion is Explict Type Casting.

Program 36: long to int

```
class Typecasting
{
public static void main (String[]args)
{
long a = 2135678921;
int b;
b=(int)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
213567892
213567892

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

Long to int conversion is Explict Type Casting.

Program 37: long to long

Casting Not Requried. Because same Datatypes.

Program 38: long to float

```
class Typecasting
{
public static void main (String[]args)
{
long a = 213567892l;
float b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
213567892
2.13567888E8

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

Long to float conversion is Implict Type Casting.

Program 39: long to double

```
class Typecasting
{
public static void main (String[]args)
{
long a = 2135678921;
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT :

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
213567892
2.13567888E8

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

Long to double conversion is Implict Type Casting.

Program 40: long to boolean

```
class Typecasting
{
public static void main (String[]args)
{
long a = 2135678921;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

```
class Typecasting
{
public static void main (String[]args)
{
long a = 2135678921;
boolean b;
b=(boolean)a;
System.out.println(a);
System.out.println(b);
}
}
```

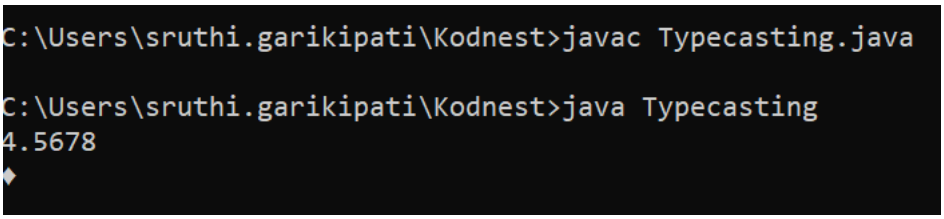
OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: long cannot be converted to boolean
b=a;
  ^
1 error

C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: long cannot be converted to boolean
b=(boolean)a;
          ^
1 error
```

Program 41: float to char

```
class Typecasting
{
public static void main (String[]args)
{
float a = 4.5678f;
char b;
b=(char)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:



Conclusion :

Float to char conversion is Explict Type Casting.

Program 42: float to byte

```
class Typecasting
{
public static void main (String[]args)
{
float a = 4.5678f;
byte b;
b=(byte)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
4.5678
4
```

Conclusion :

Float to byte conversion is Explict Type Casting.

Program 43: float to short

```
class Typecasting
{
public static void main (String[]args)
{
float a = 4.5678f;
short b;
b=(short)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
4.5678
4
```

Conclusion :

Float to short conversion is Explict Type Casting.

Program 44: float to int

```
class Typecasting
{
public static void main (String[]args)
{
float a = 4.5678f;
int b;
b=(int)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
4.5678
4
```

Conclusion :

Float to int conversion is Explict Type Casting.

Program 45: float to long

```
class Typecasting
{
public static void main (String[]args)
{
float a = 4.5678f;
long b;
b=(long)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT :

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
4.5678
4
```

Conclusion :

Float to long conversion is Explict Type Casting.

Program 46: float to float

Casting Not Requried. Because same Datatypes.

Program 47: float to double

```
class Typecasting
{
public static void main (String[]args)
{
float a = 4.5678f;
double b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
4.5678
4.567800045013428
```

Conclusion :

Float to double conversion is Implict Type Casting.

Program 48: float to boolean

```
class Typecasting
{
public static void main (String[]args)
{
float a = 4.5678f;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

```
class Typecasting
{
public static void main (String[]args)
{
float a = 4.5678f;
boolean b;
b=(boolean)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT :

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: float cannot be converted to boolean
b=(boolean)a;
          ^
1 error

C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: float cannot be converted to boolean
b=a;
  ^
1 error

C:\Users\sruthi.garikipati\Kodnest>
```

Program 49: double to char

```
class Typecasting
{
public static void main (String[]args)
{
double a = 34567123.98;
char b;
b=(char)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
3.456712398E7
?
```

Conclusion :

double to char conversion is Explict Type Casting.

Program 50: double to byte

```
class Typecasting
{
public static void main (String[]args)
{
double a = 34567123.98;
byte b;
b=(byte)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
3.456712398E7
-45

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

double to byte conversion is Explict Type Casting.

Program 51: double to short

```
class Typecasting
{
public static void main (String[]args)
{
double a = 34567123.98;
short b;
b=(short)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
3.456712398E7
29651

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

double to short conversion is Explict Type Casting.

Program 52: double to int

```
class Typecasting
{
public static void main (String[]args)
{
double a = 34567123.98;
int b;
b=(int)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
3.456712398E7
34567123
```

Conclusion :

double to int conversion is Explict Type Casting.

Program 53: double to long

```
class Typecasting
{
public static void main (String[]args)
{
double a = 34567123.98;
long b;
b=(long)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
3.456712398E7
34567123
```

Conclusion :

double to long conversion is Explict Type Casting.

Program 54: double to float

```
class Typecasting
{
public static void main (String[]args)
{
double a = 34567123.98;
float b;
b=(float)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java

C:\Users\sruthi.garikipati\Kodnest>java Typecasting
3.456712398E7
3.4567124E7

C:\Users\sruthi.garikipati\Kodnest>
```

Conclusion :

double to float conversion is Explict Type Casting.

Program 55: double to double

Casting Not Requried. Because same Datatypes.

Program 56: double to boolean

```
class Typecasting
{
public static void main (String[]args)
{
double a = 34567123.98;
boolean b;
b=a;
System.out.println(a);
System.out.println(b);
}
}
```

```
class Typecasting
{
public static void main (String[]args)
{
double a = 34567123.98;
boolean b;
b=(boolean)a;
System.out.println(a);
System.out.println(b);
}
}
```

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: double cannot be converted to boolean
b=a;
  ^
1 error

C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:7: error: incompatible types: double cannot be converted to boolean
b=(boolean)a;
          ^
1 error
```

Program 57: boolean to char

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

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:5: error: cannot find symbol
boolean a = ture;
            ^
  symbol:   variable ture
  location: class Typecasting
Typecasting.java:7: error: incompatible types: boolean cannot be converted to char
b=(boolean)a;
  ^
2 errors

C:\Users\sruthi.garikipati\Kodnest>
```

Program 58: boolean to byte

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

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:5: error: cannot find symbol
boolean a = ture;
            ^
  symbol:   variable ture
  location: class Typecasting
Typecasting.java:7: error: incompatible types: boolean cannot be converted to char
b=(boolean)a;
  ^
2 errors

C:\Users\sruthi.garikipati\Kodnest>
```

Program 59: boolean to short

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

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:5: error: cannot find symbol
boolean a = ture;
            ^
  symbol:   variable ture
  location: class Typecasting
Typecasting.java:7: error: incompatible types: boolean cannot be converted to char
b=(boolean)a;
  ^
2 errors

C:\Users\sruthi.garikipati\Kodnest>
```

Program 60: boolean to int

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

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:5: error: cannot find symbol
boolean a = ture;
            ^
  symbol:   variable ture
  location: class Typecasting
Typecasting.java:7: error: incompatible types: boolean cannot be converted to int
b=(int)a;
      ^
2 errors

C:\Users\sruthi.garikipati\Kodnest>
```

Program 61: boolean to long

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

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:5: error: cannot find symbol
boolean a = ture;
            ^
  symbol:   variable ture
  location: class Typecasting
Typecasting.java:7: error: incompatible types: boolean cannot be converted to int
b=(int)a;
      ^
2 errors

C:\Users\sruthi.garikipati\Kodnest>
```

Program 62: boolean to float

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

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:5: error: cannot find symbol
boolean a = ture;
            ^
  symbol:   variable ture
  location: class Typecasting
Typecasting.java:7: error: incompatible types: boolean cannot be converted to int
b=(int)a;
      ^
2 errors

C:\Users\sruthi.garikipati\Kodnest>
```

Program 63: boolean to double

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

OUTPUT:

```
C:\Users\sruthi.garikipati\Kodnest>javac Typecasting.java
Typecasting.java:5: error: cannot find symbol
boolean a = ture;
            ^
  symbol:   variable ture
  location: class Typecasting
Typecasting.java:7: error: incompatible types: boolean cannot be converted to int
b=(int)a;
      ^
2 errors

C:\Users\sruthi.garikipati\Kodnest>
```

Program 64: boolean to boolean

Casting Not Requried. Because same Datatypes.

Indicates Implict (converting the data of lower data type to higher data type)

Indicates Explict (converting the data of higher data type to lower data type)

Indicates CNR (casting not required)