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Kodnest

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ASSIGNMENT ON TYPE CASTING IN JAVA

Type casting in java:

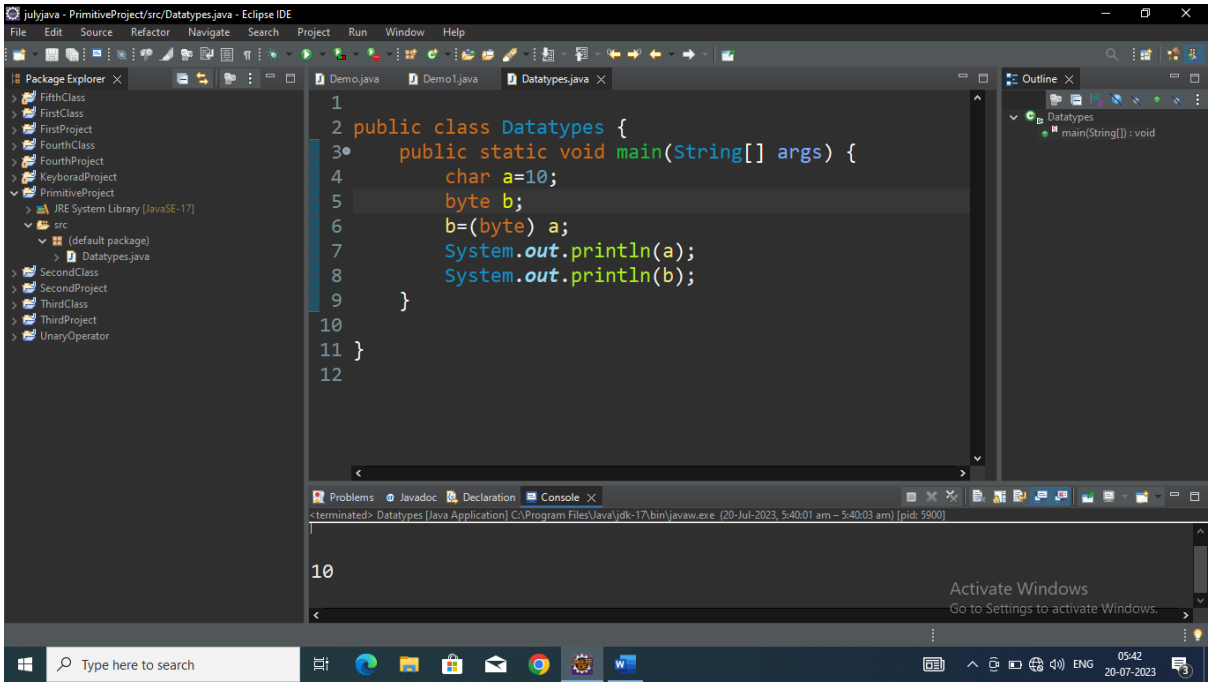
In Type Casting The process of converting tha data of one type to another is technically called as type casting.

There are two types of casting:

- Implicit type casting: (automatically)- converting a smaller type to a larger type size.

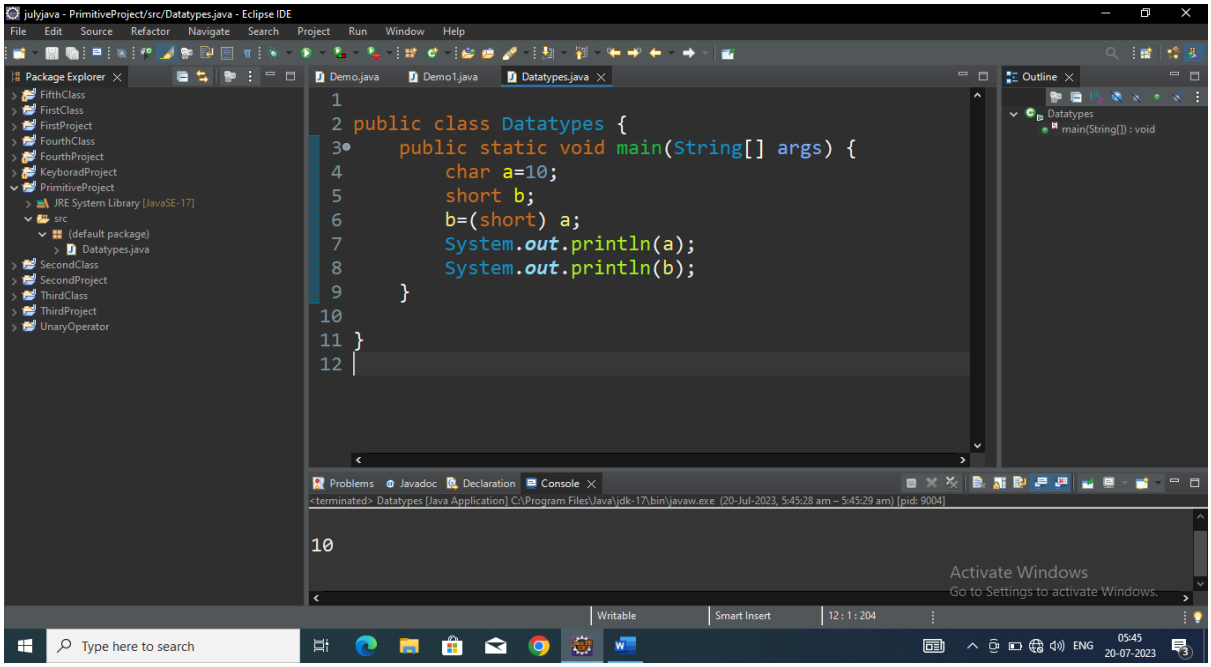
- Explicit type casting:(manually)- converting a larger type to a smaller size type

Char to Byte:



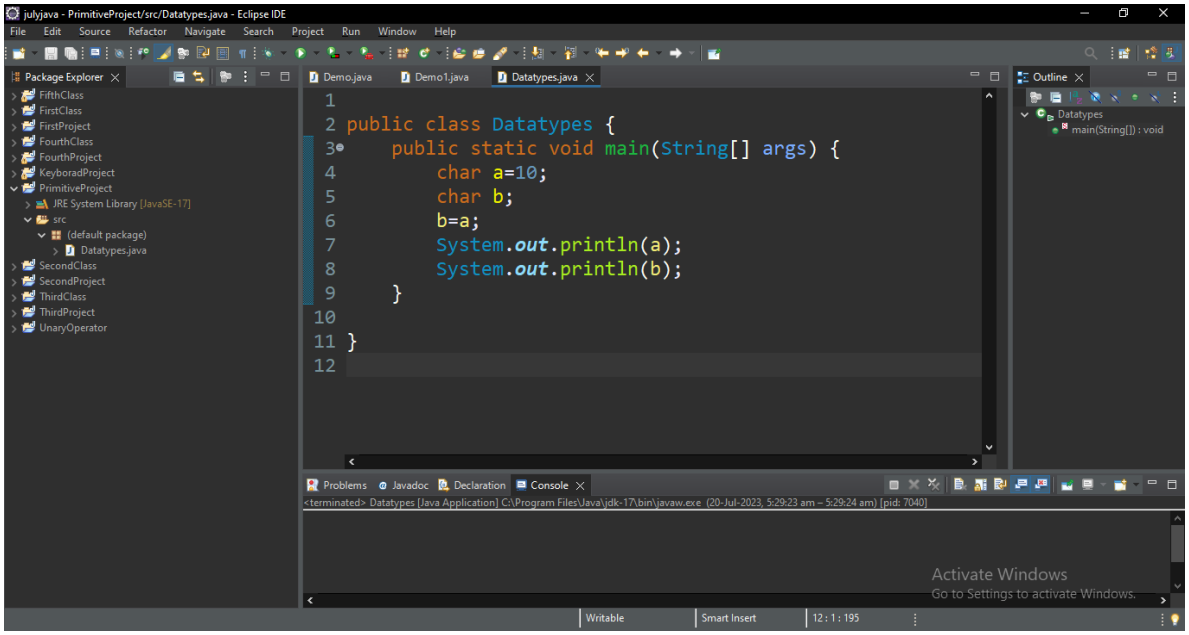
Conclusion: char to byte explicit should be done

Char to Short:



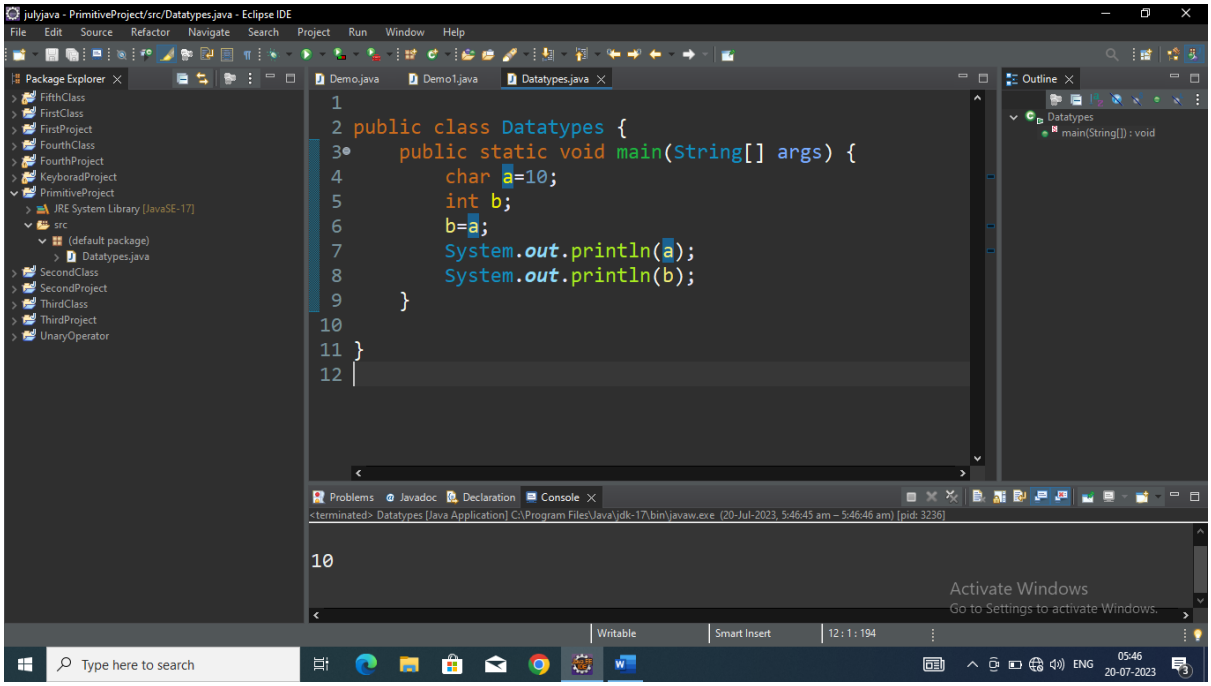
Conclusion: char to short explicit should be done

Char to Char:



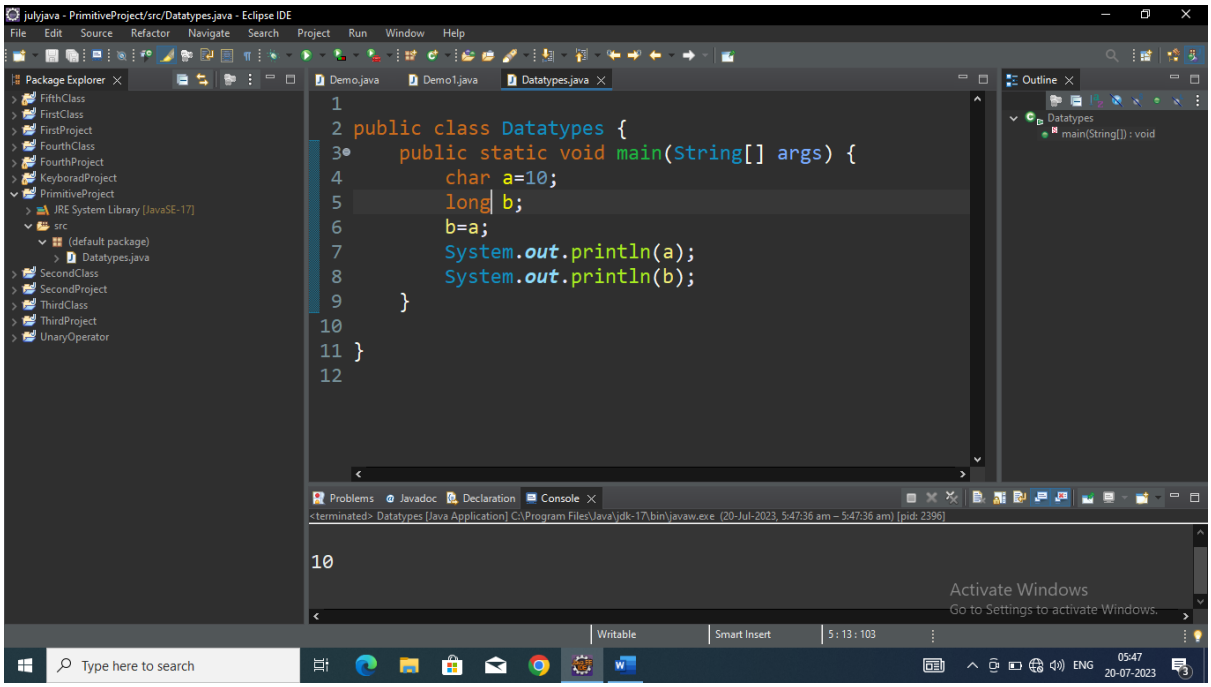
Conclusion: char to char not applicable

Char to Int:



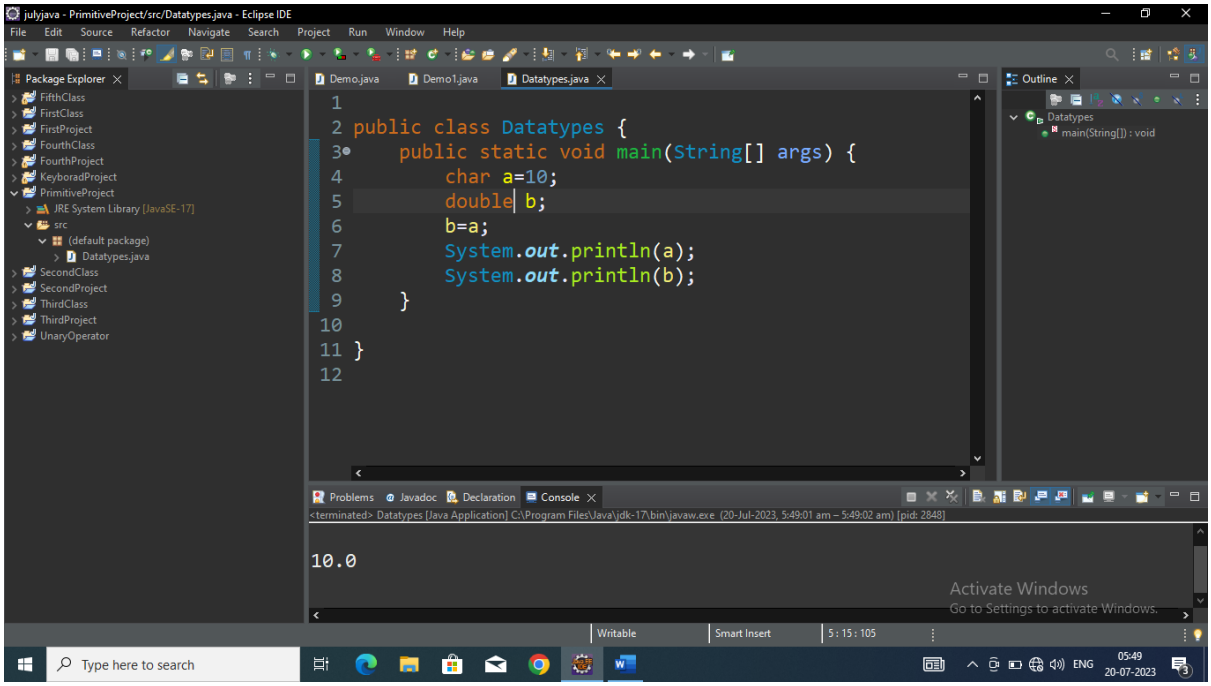
Conclusion: Char to int implicit should be done

Char to Long:



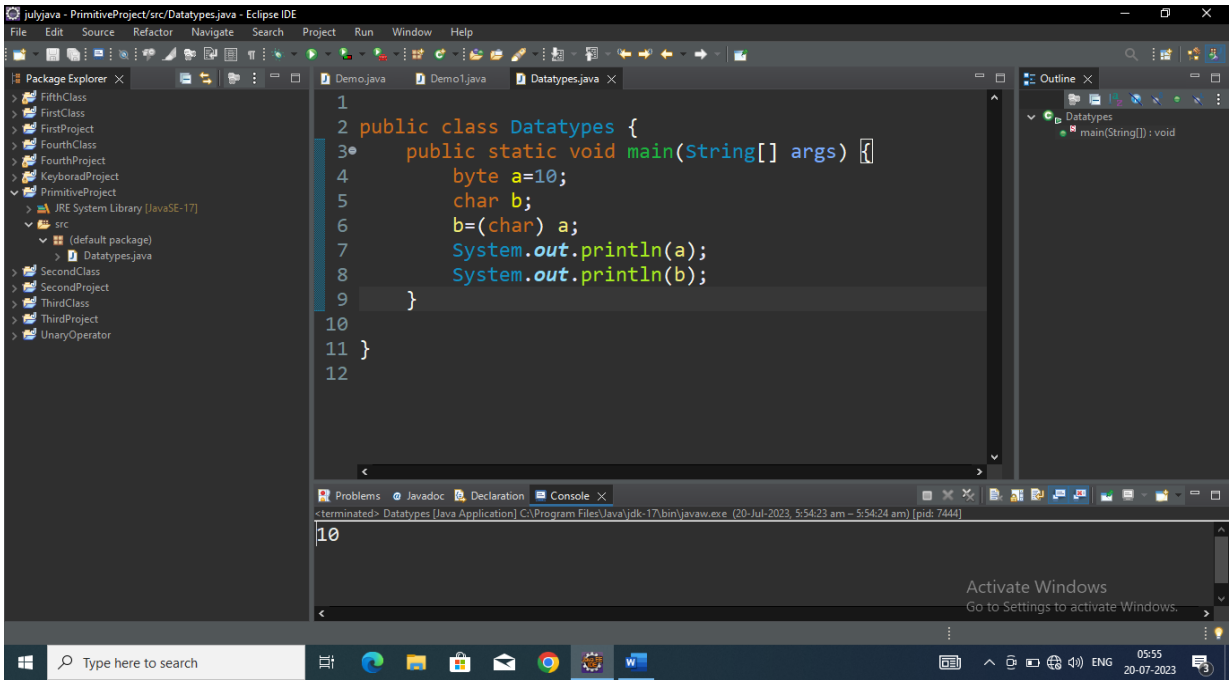
Conclusion: Char to long implicit should be done

Char to Double:



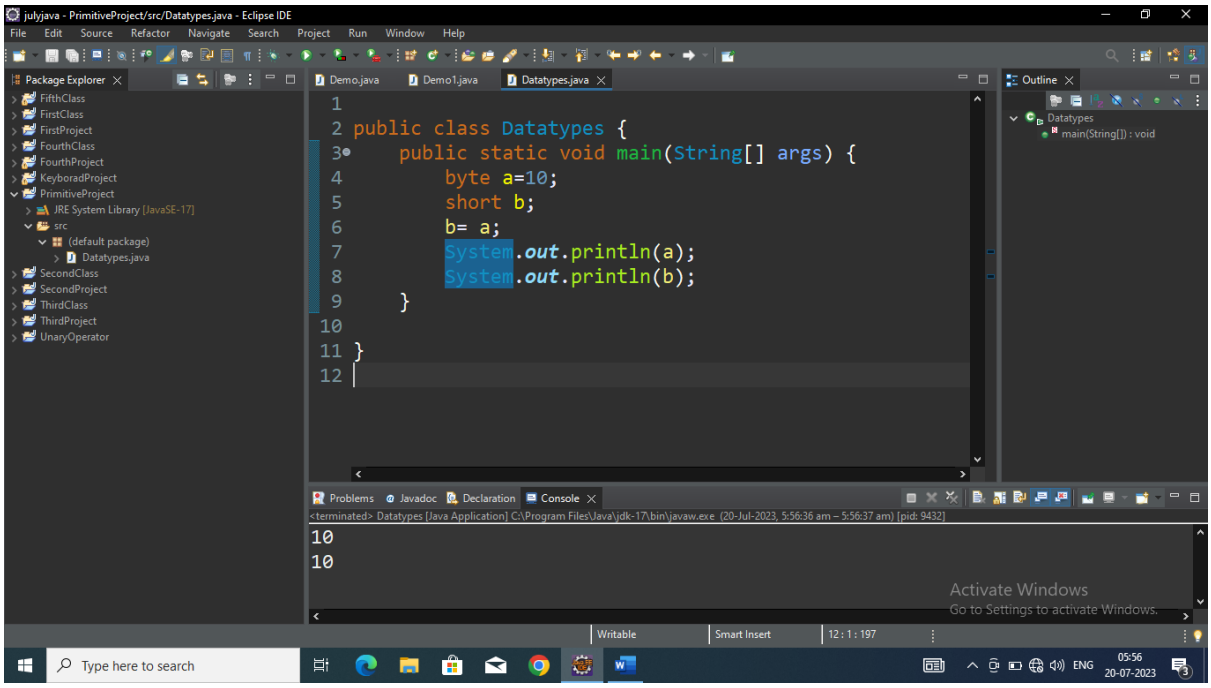
Conclusion: Char to double implicit should be done

Byte to Char:



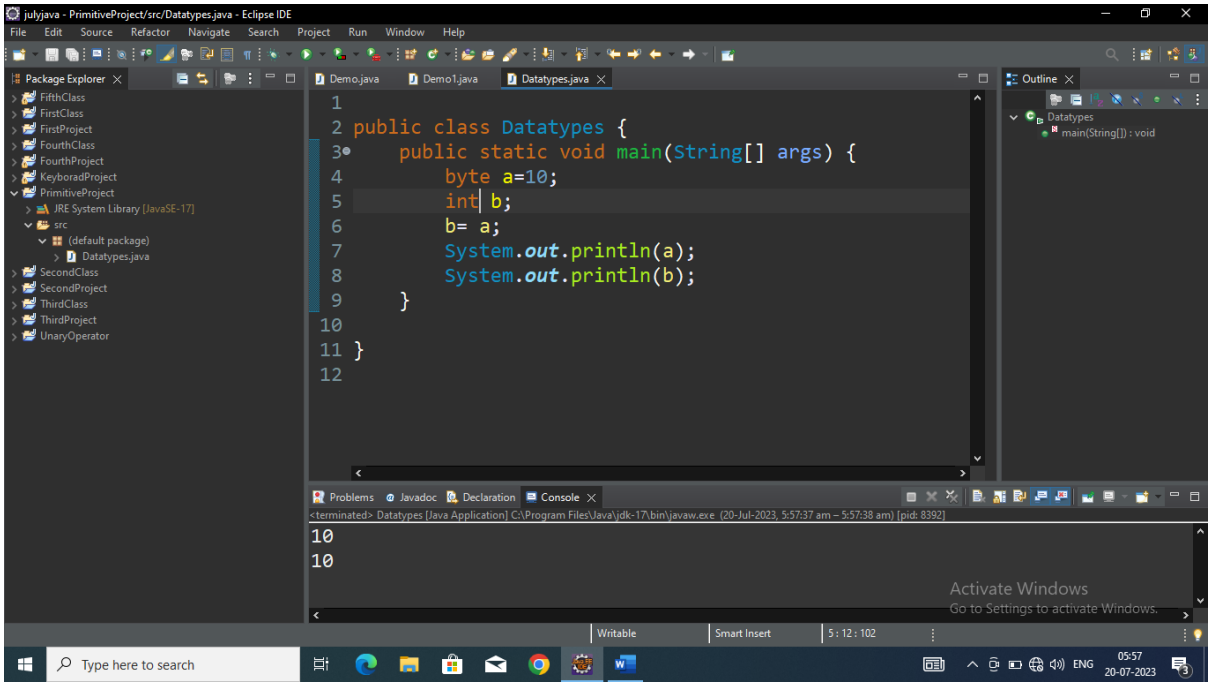
Conclusion: Byte to char explicit should be done

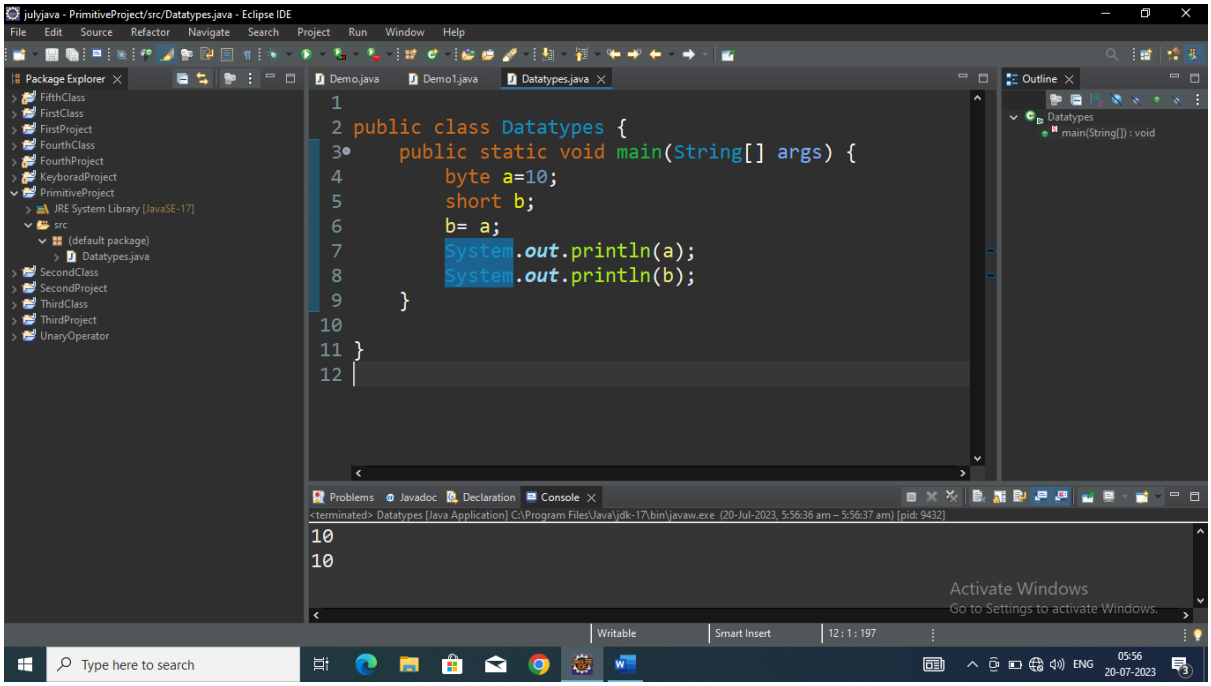
Byte to short:



Conclusion: Byte to short implicit should be done

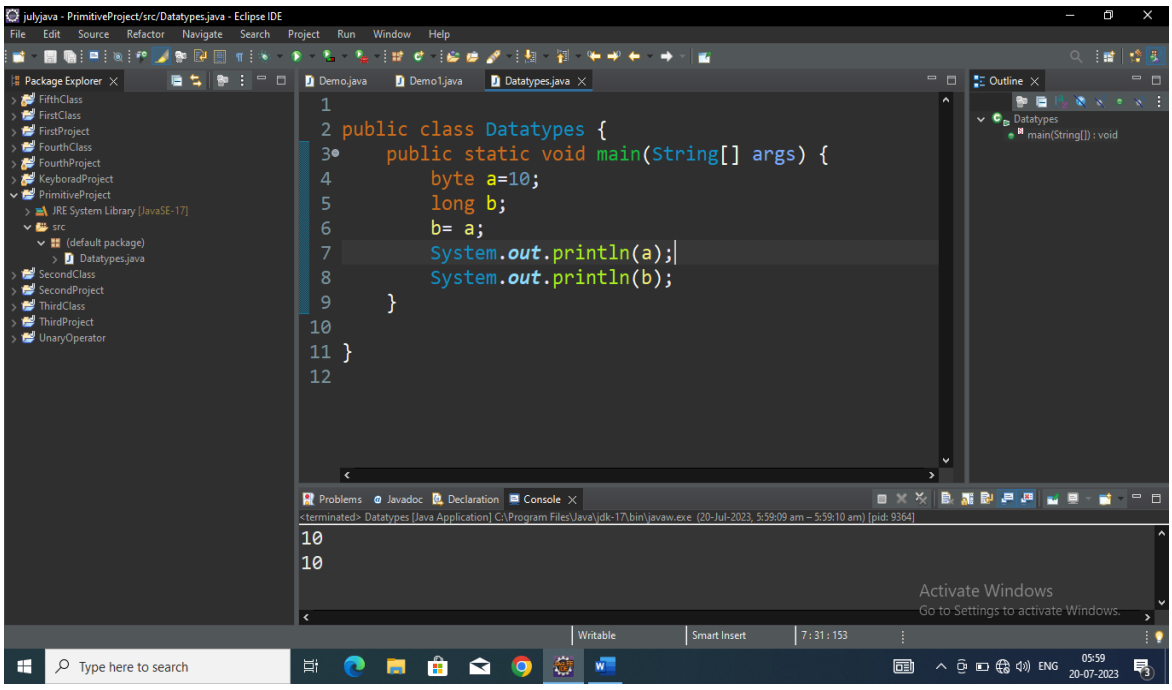
Byte to int:





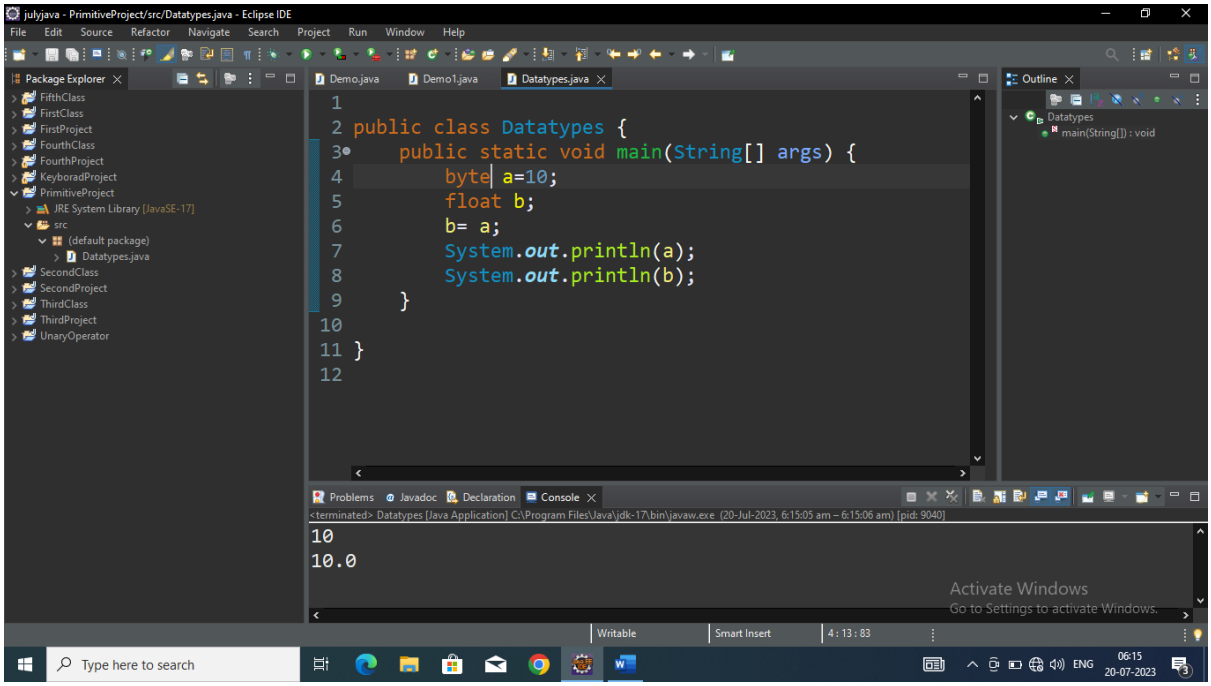
Conclusion: Byte to short implicit should be done

Byte to Long:



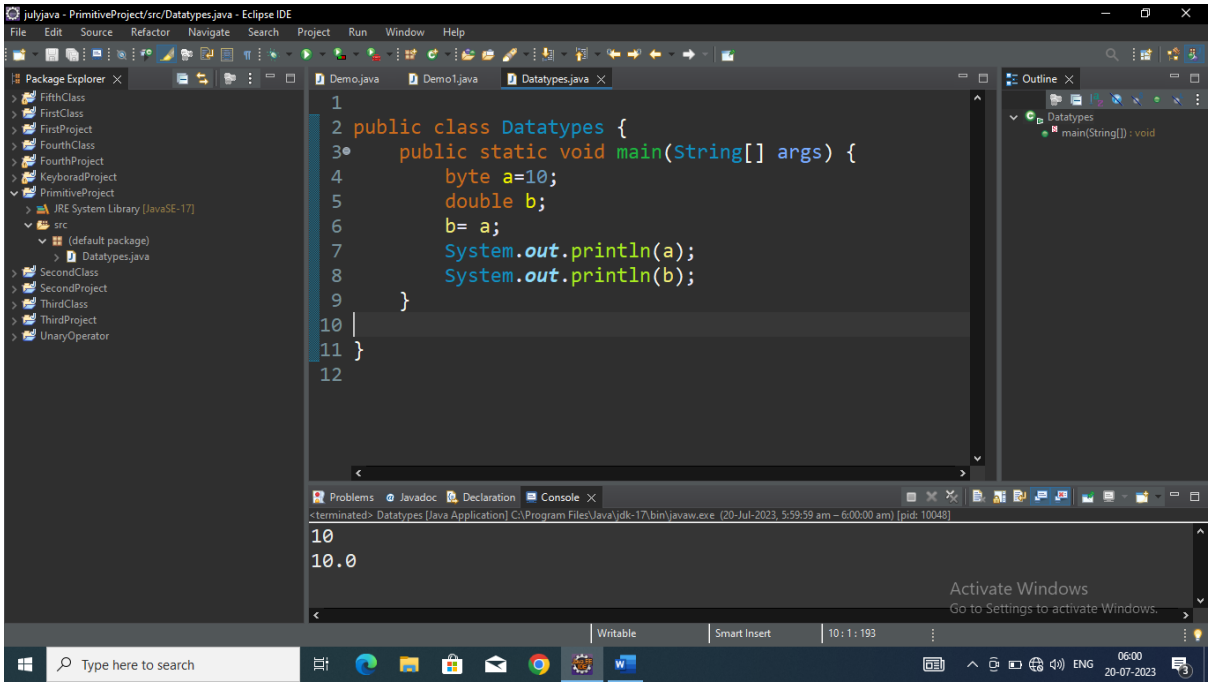
Conclusion: Byte to long implicit should be done

Byte to Float:



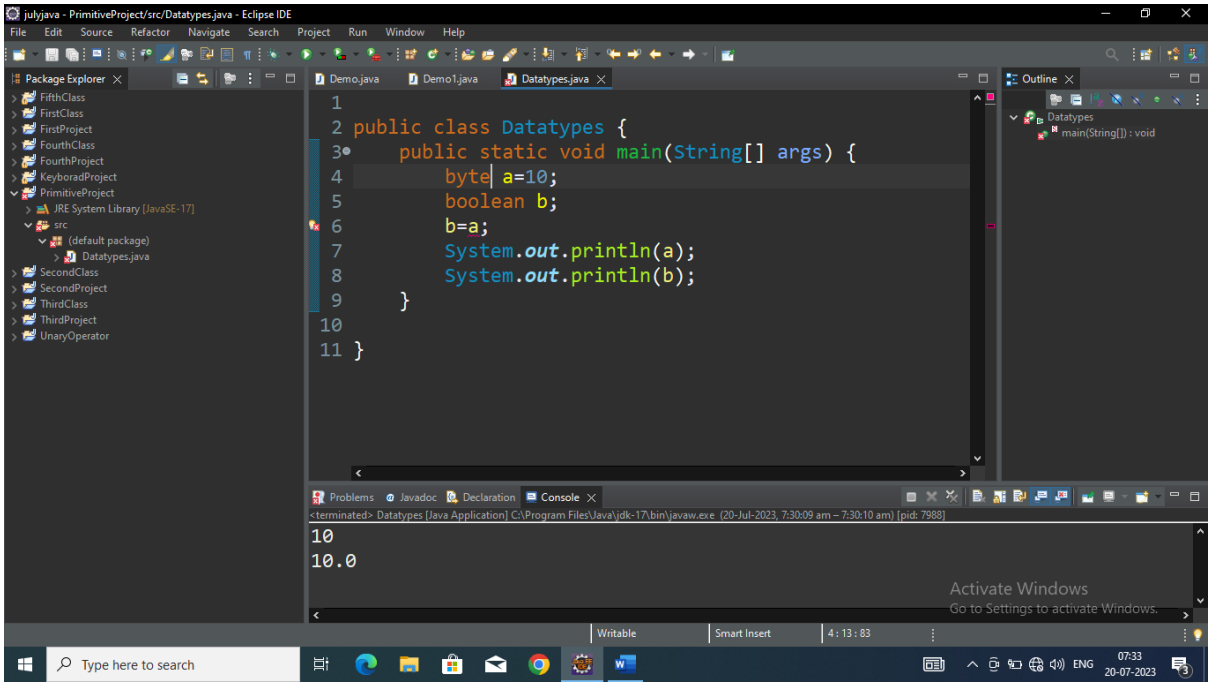
Conclusion: Byte to float implicit should be done

Byte to Double:



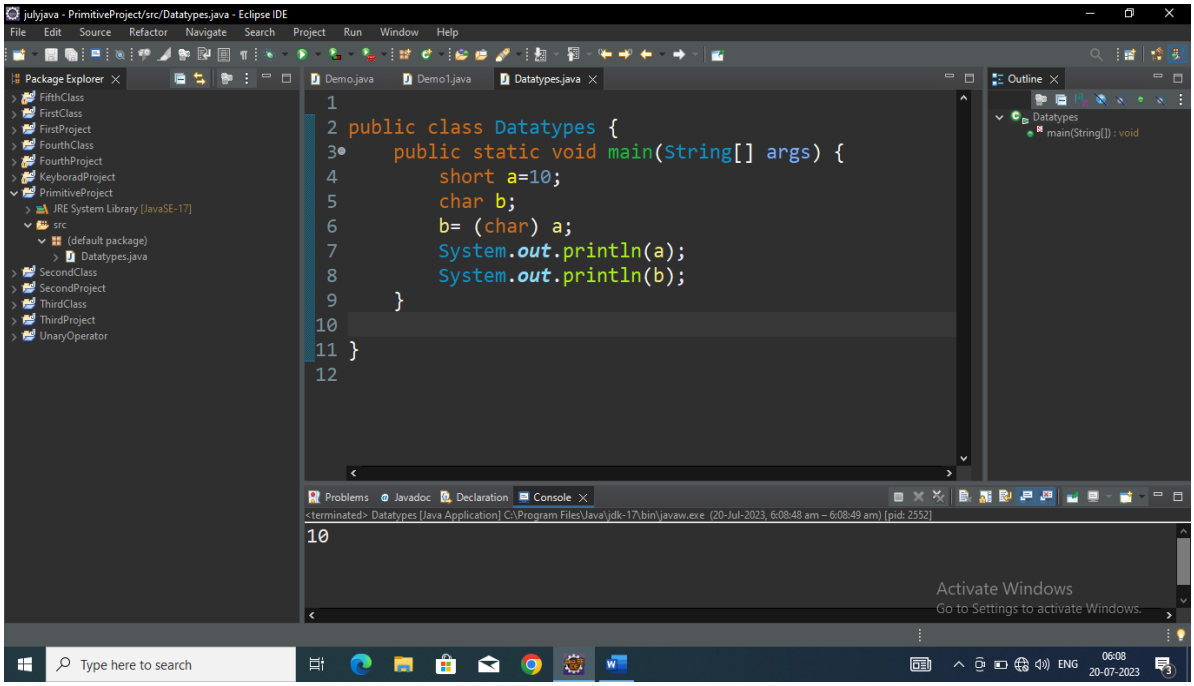
Conclusion: Byte to double implicit should be done

Byte to Boolean:



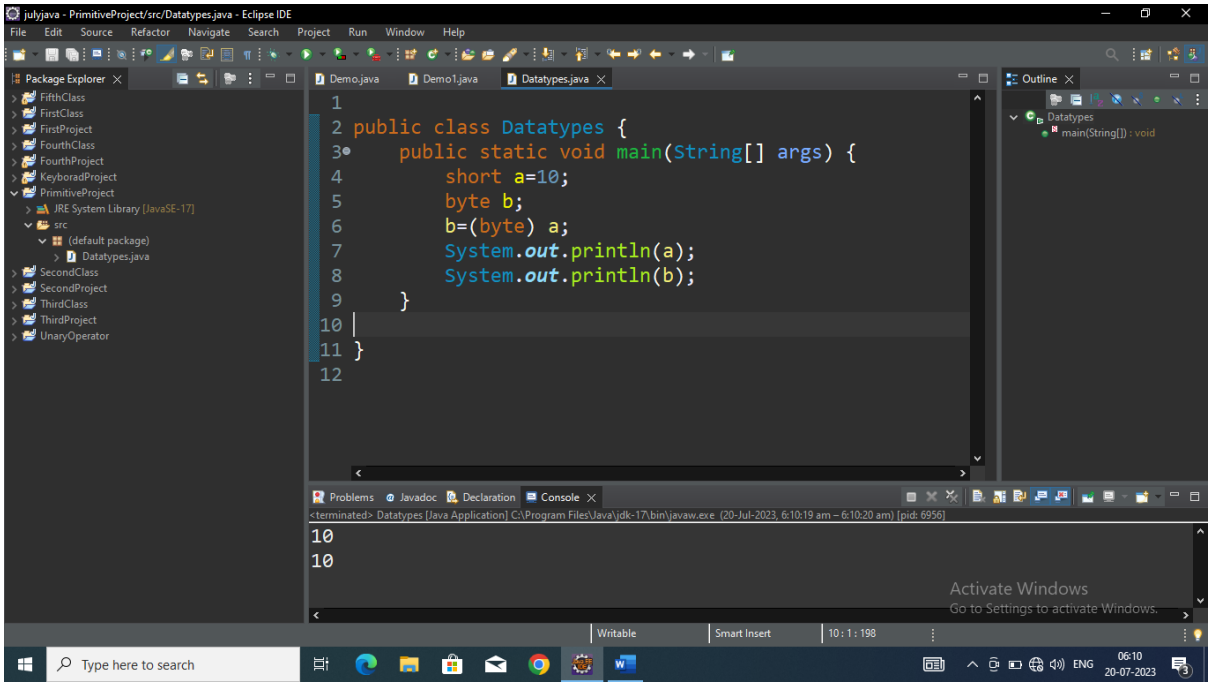
Conclusion: Byte to Boolean no should be done

Short to Char:



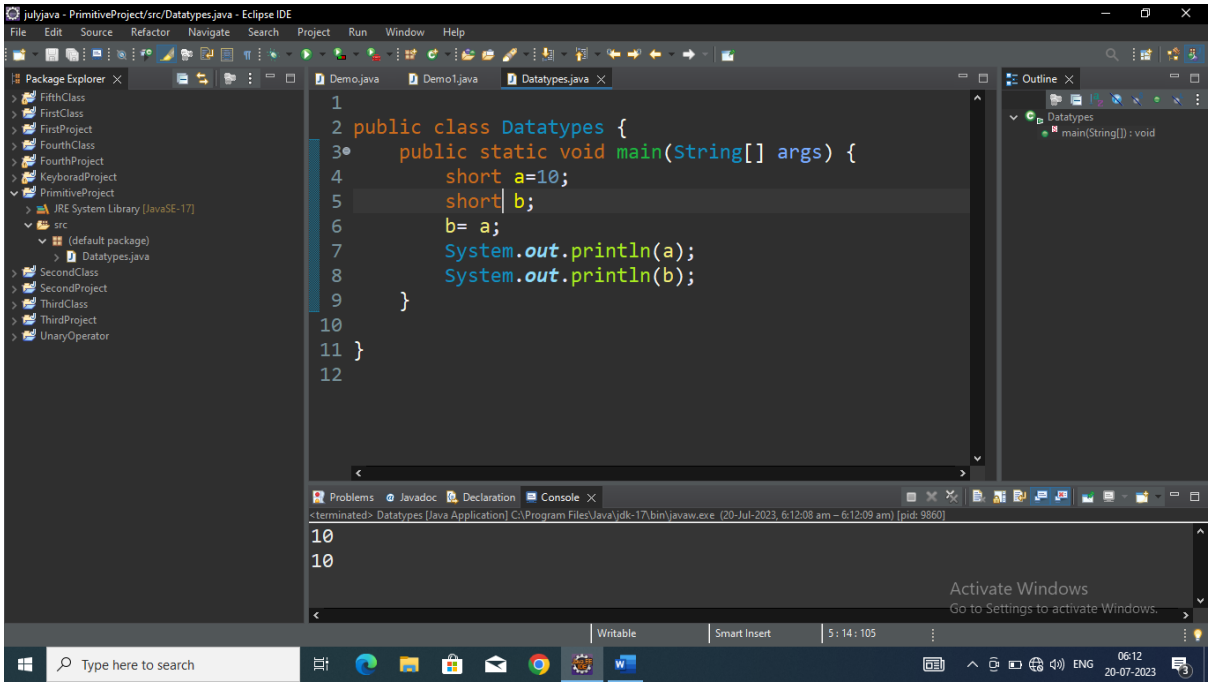
Conclusion: short to char explicit should be done

Short to Byte:



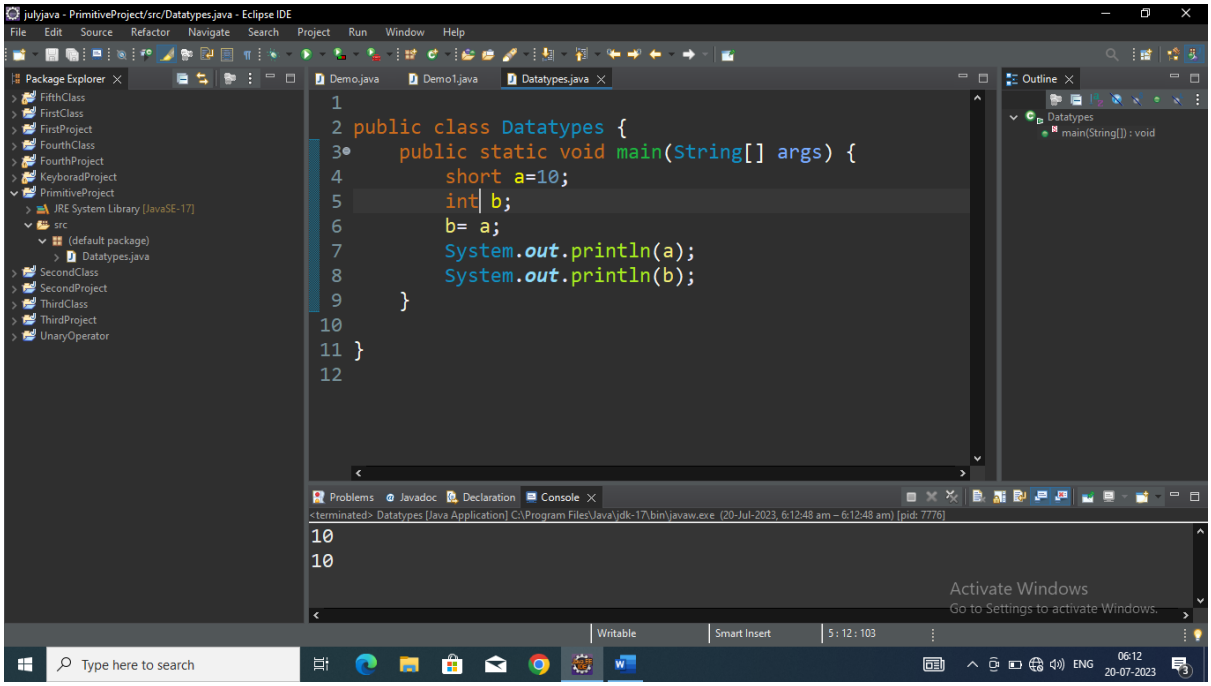
Conclusion: short to byte explicit should be done

Short to Short:



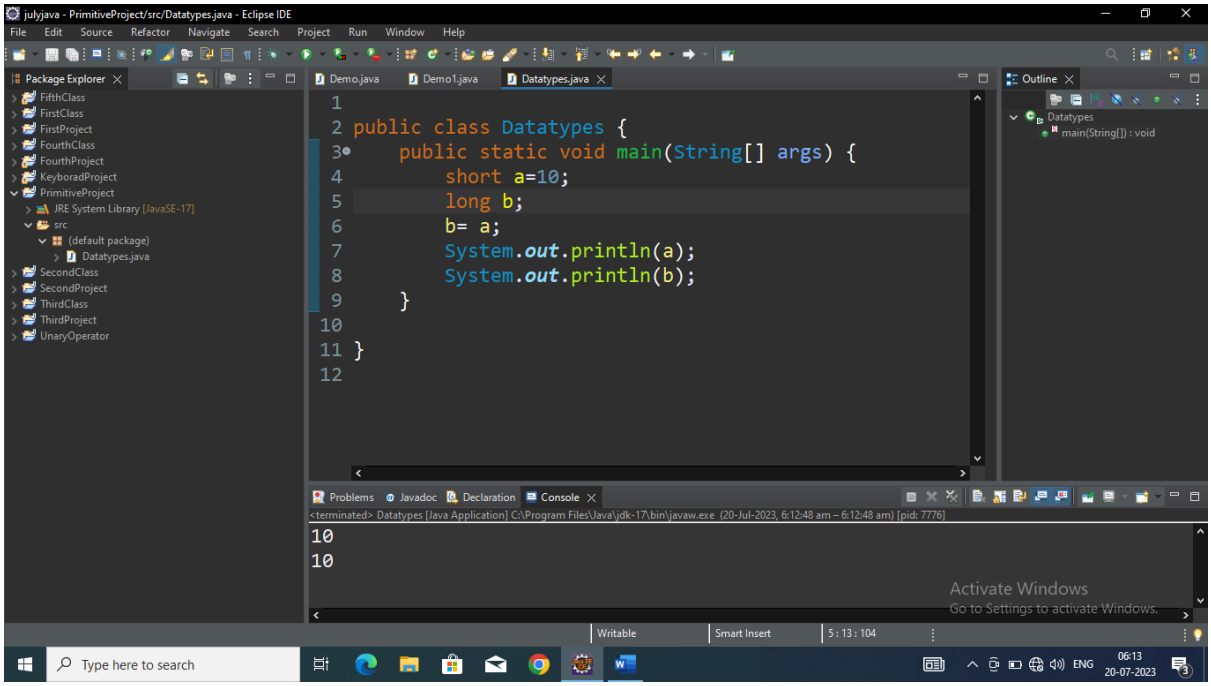
Conclusion: short to short not applicable should be done

Short to Int:



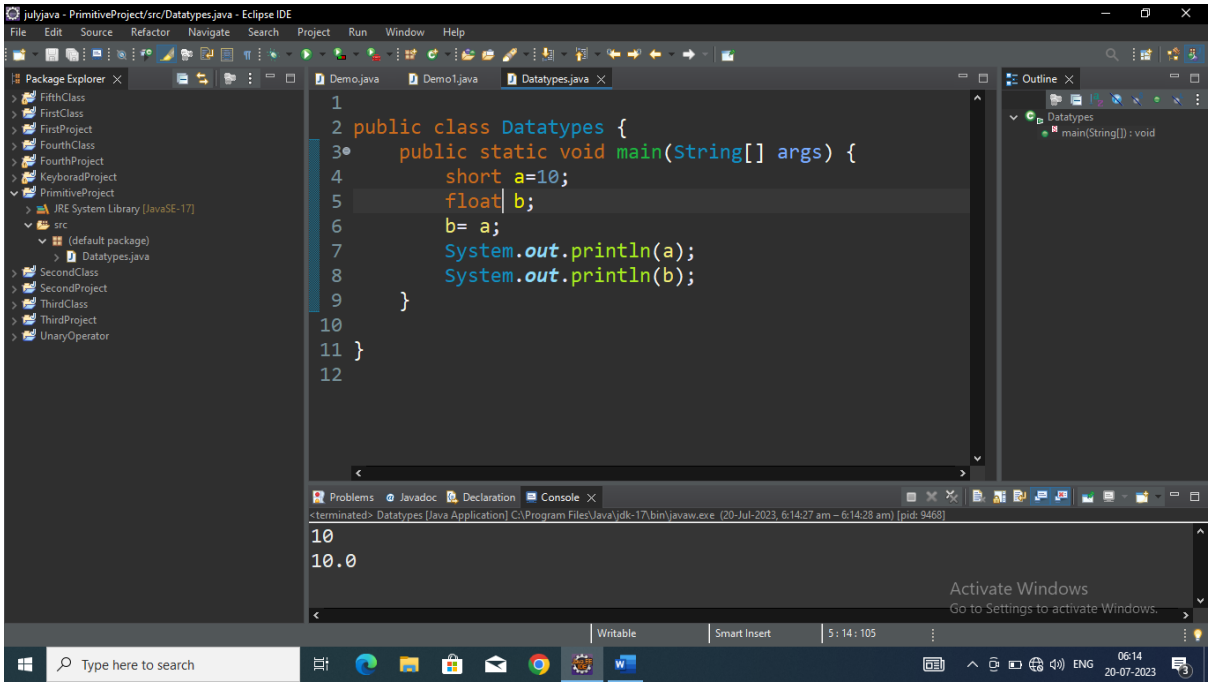
Conclusion: short to int implicit should be done

Short to Long:



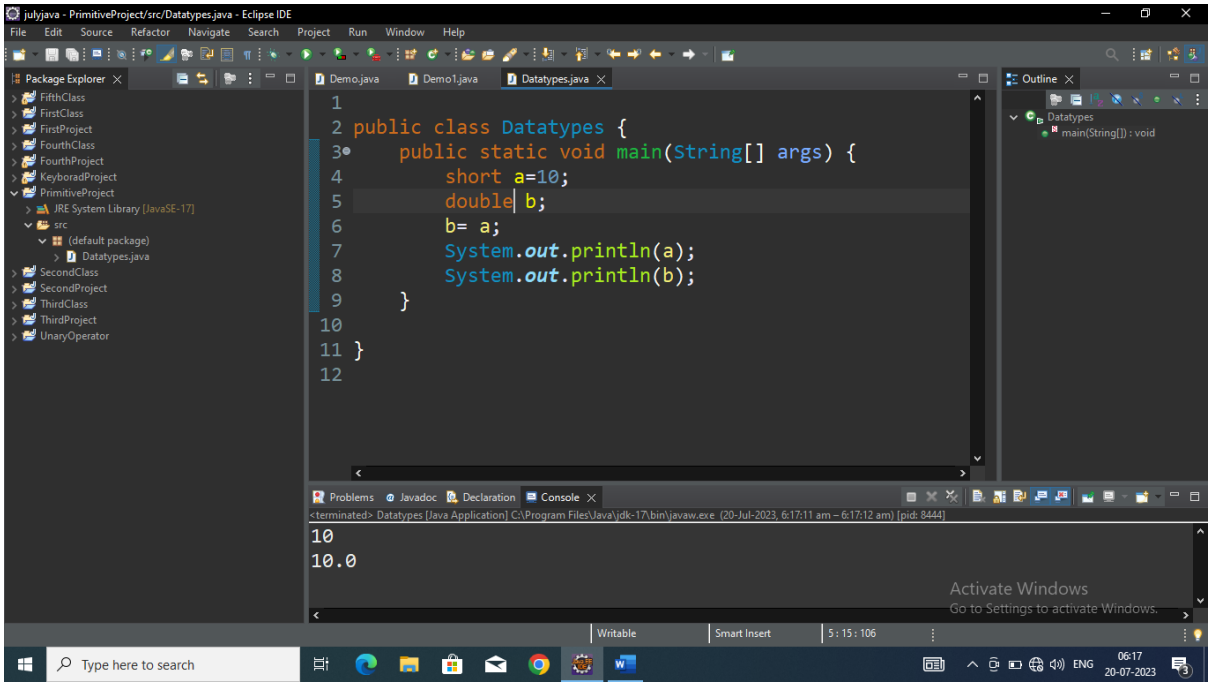
Conclusion: short to long implicit should be done

Short to Float:



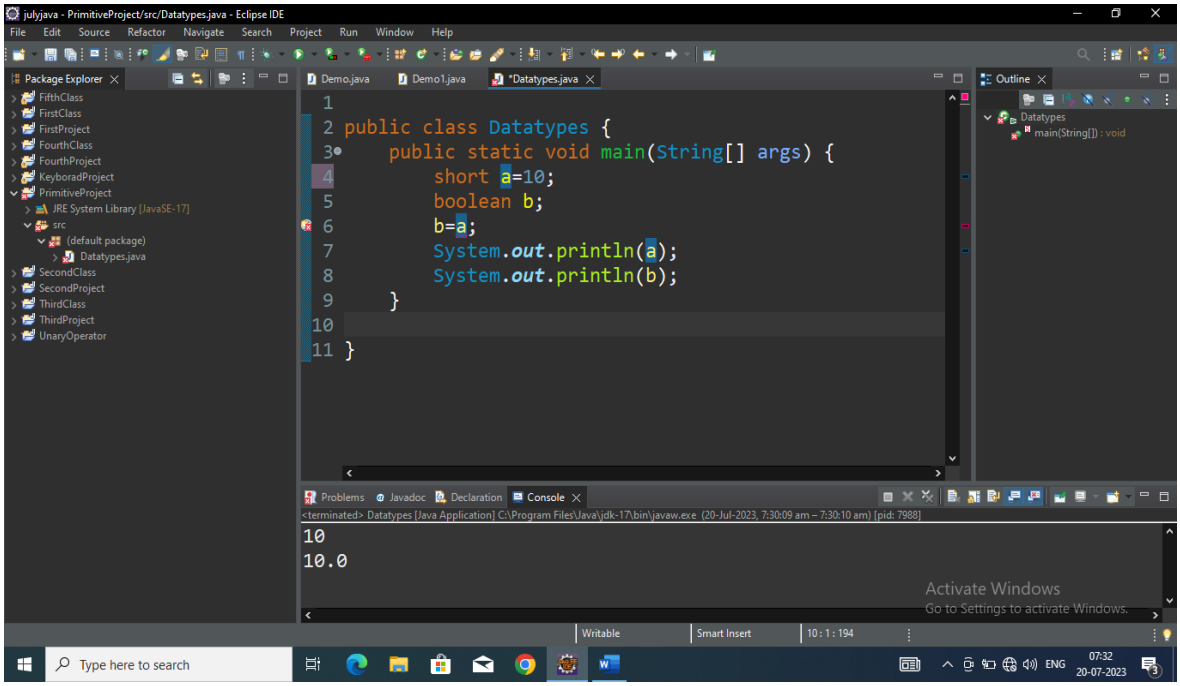
Conclusion: short to float implicit should be done

Short to Double:



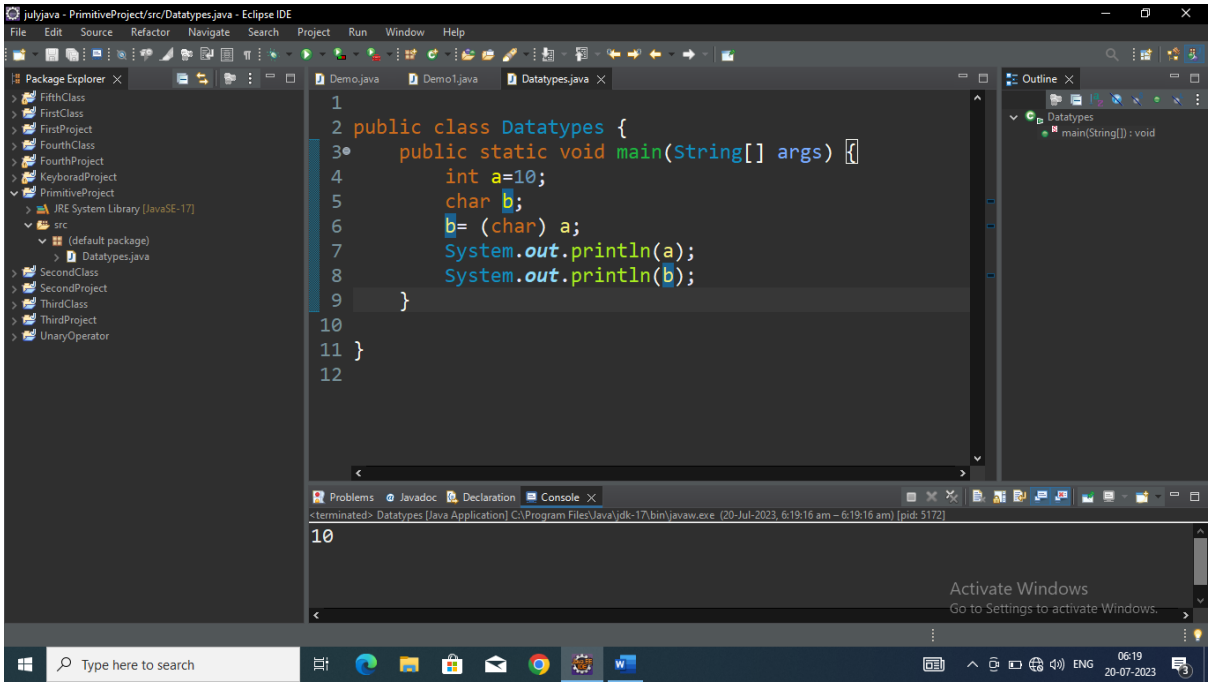
Conclusion: short to double implicit should be done

Short to Boolean:



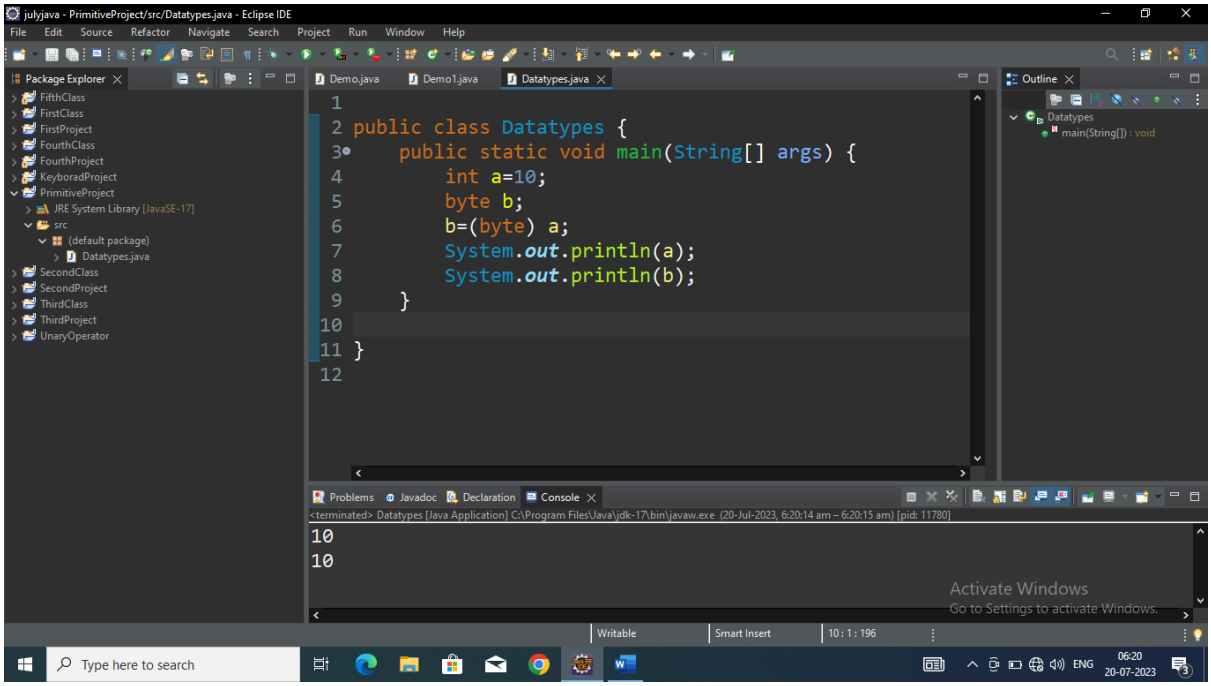
Conclusion: short to boolean no should be done

Int to Char:



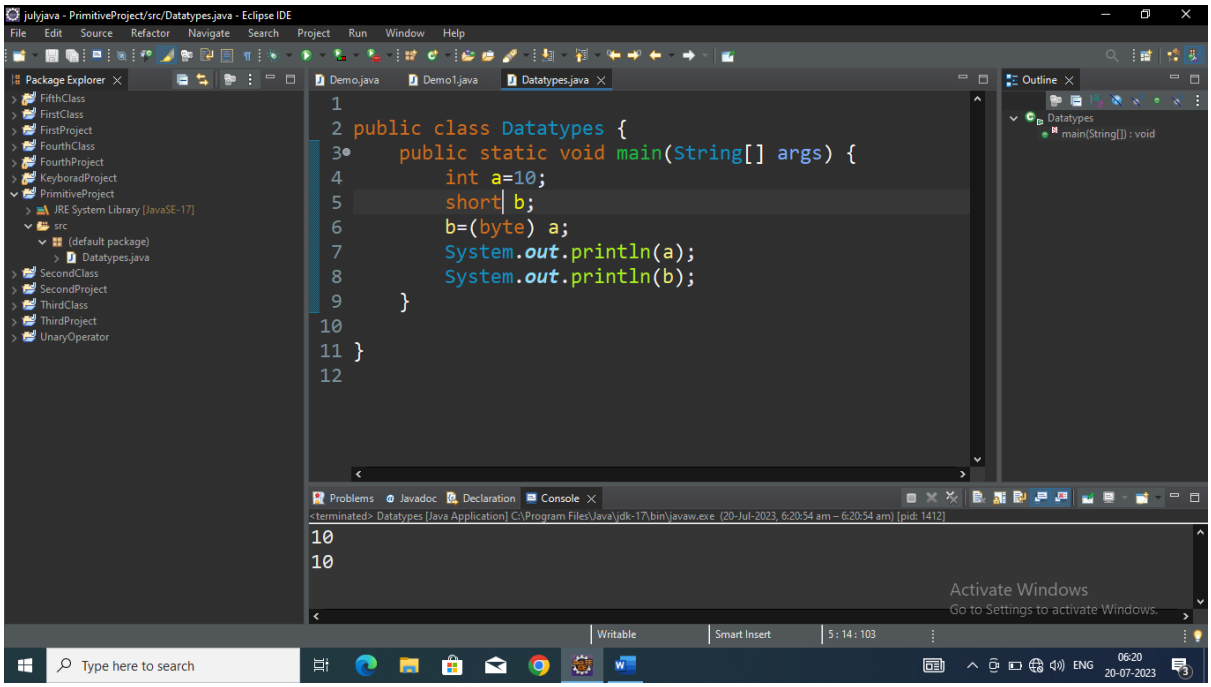
Conclusion: int to char explicit should be done

Int to Byte:



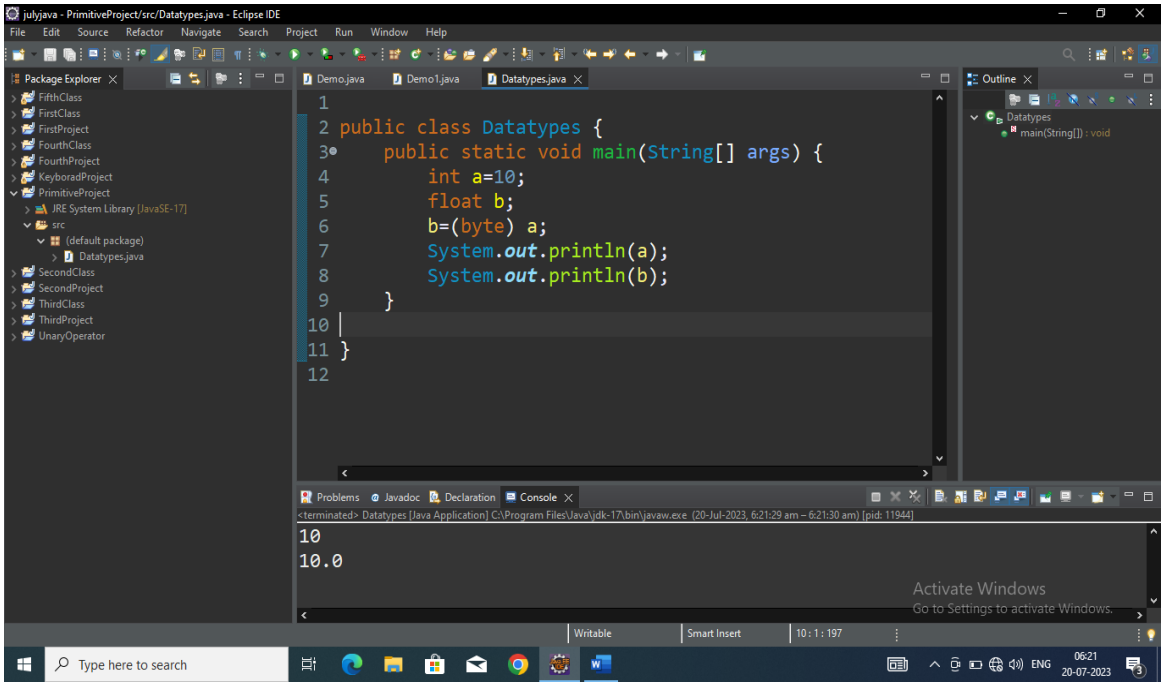
Conclusion: int to byte explicit should be done

Int to Short:



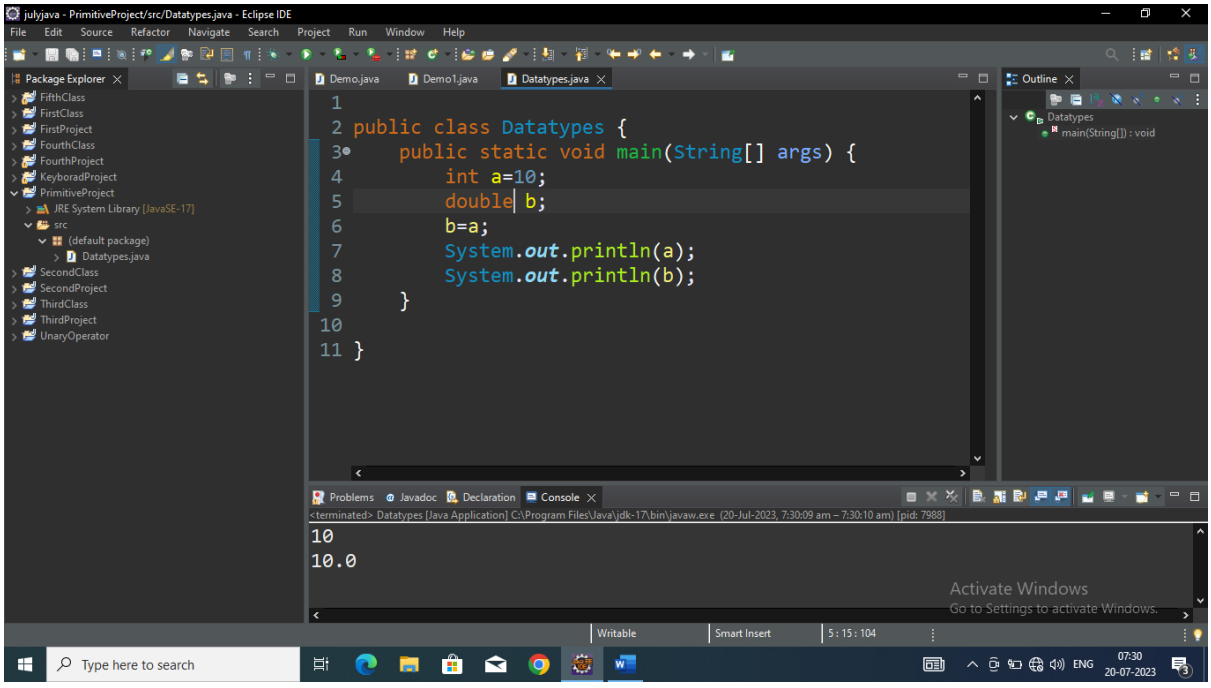
Conclusion: int to short explicit should be done

Int to Float:



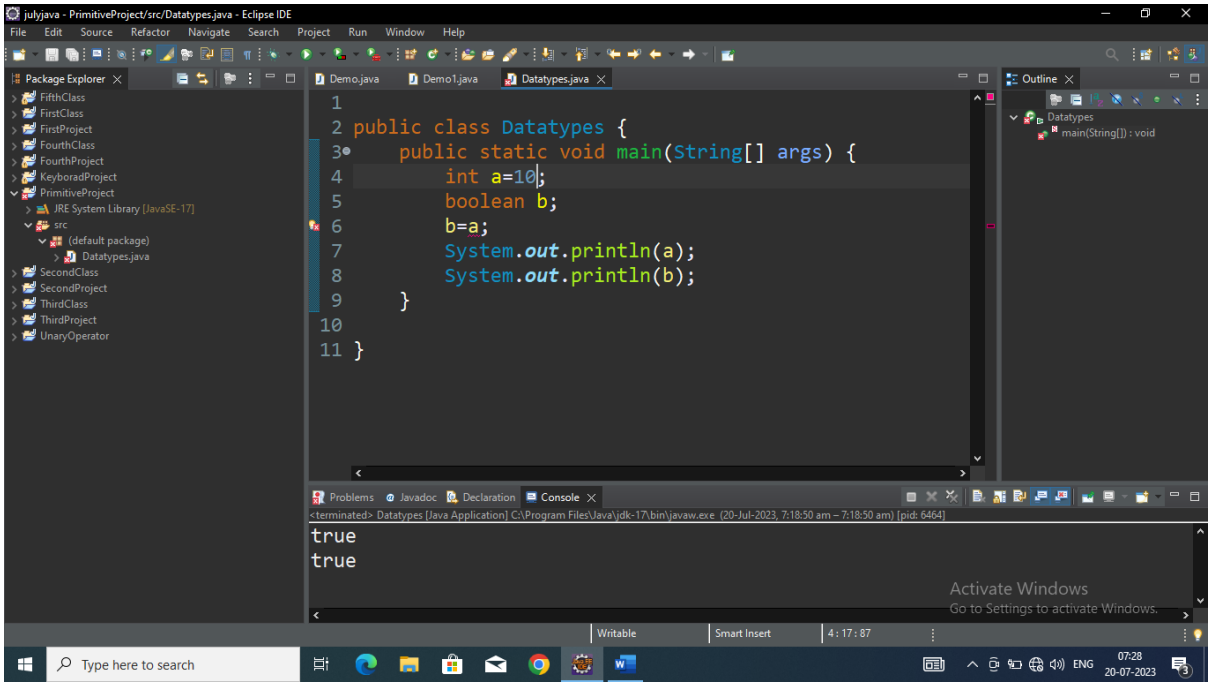
Conclusion: int to float explicit should be done

Int to Double:



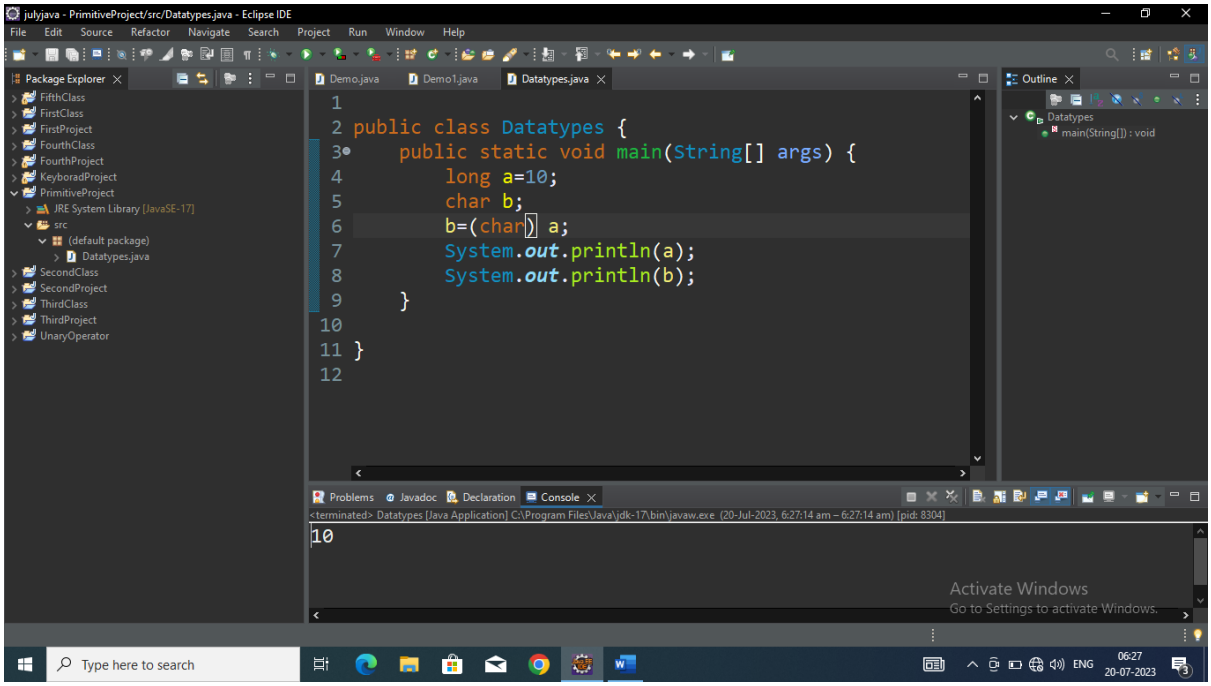
Conclusion: int to double implicit should be done

Int to Boolean:



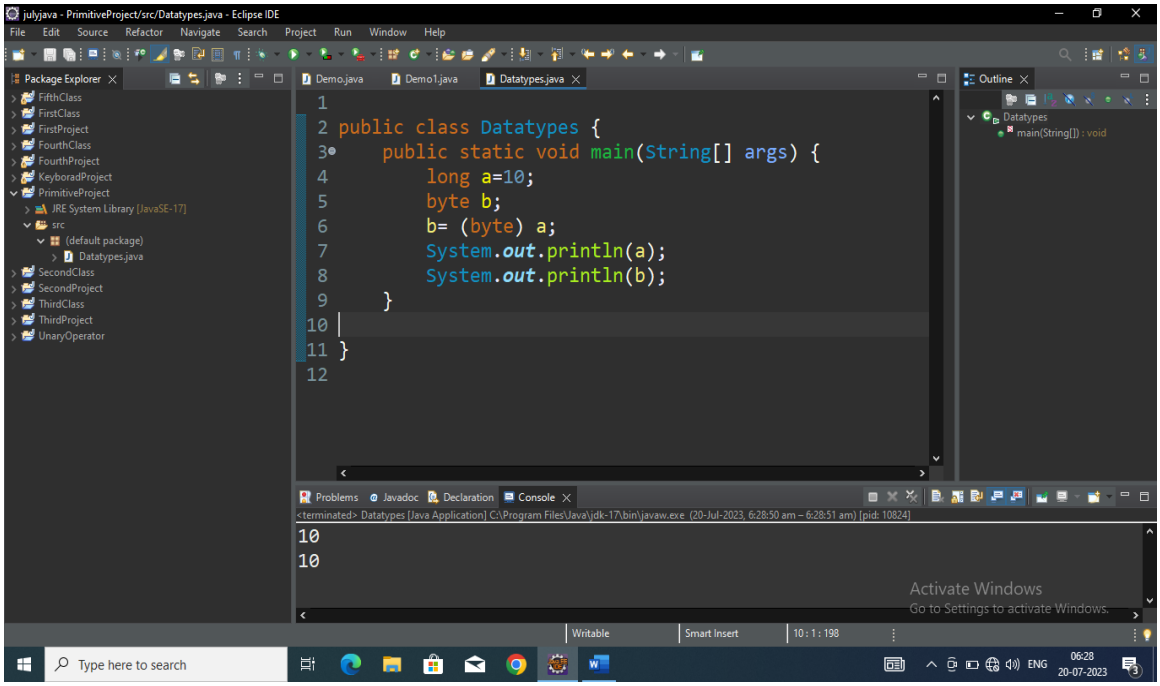
Conclusion: int to boolean no should be done

Long to Char:



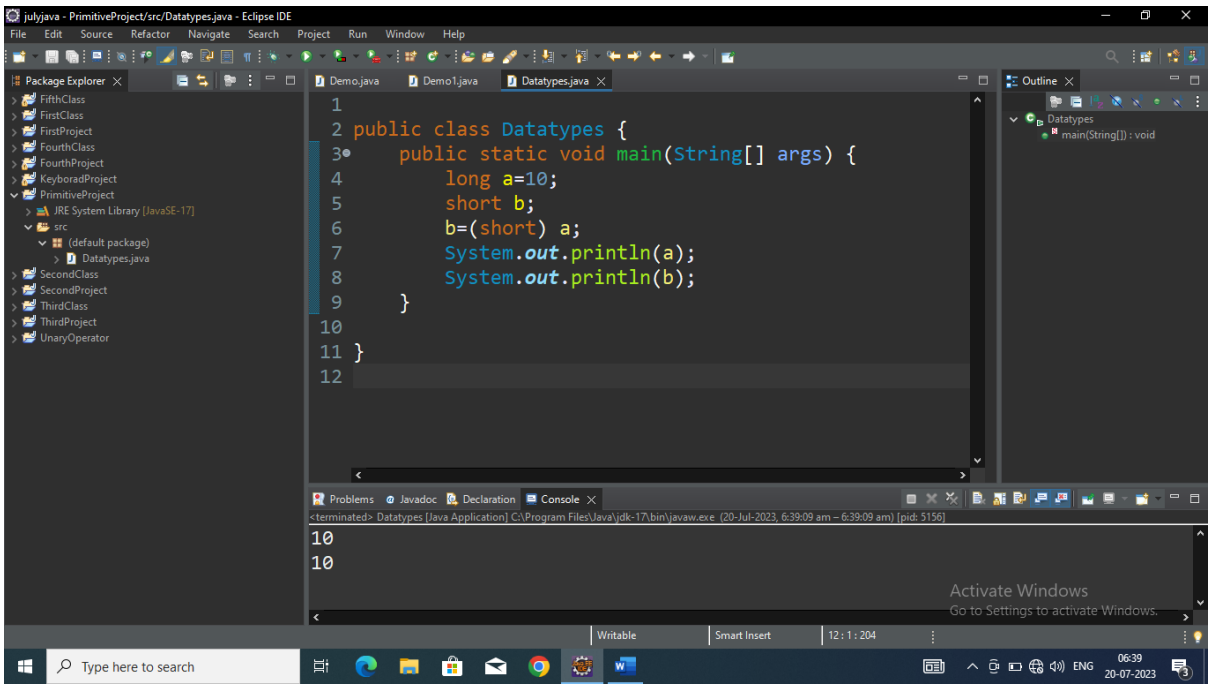
Conclusion: long to char explicit should be done

Long to Byte:



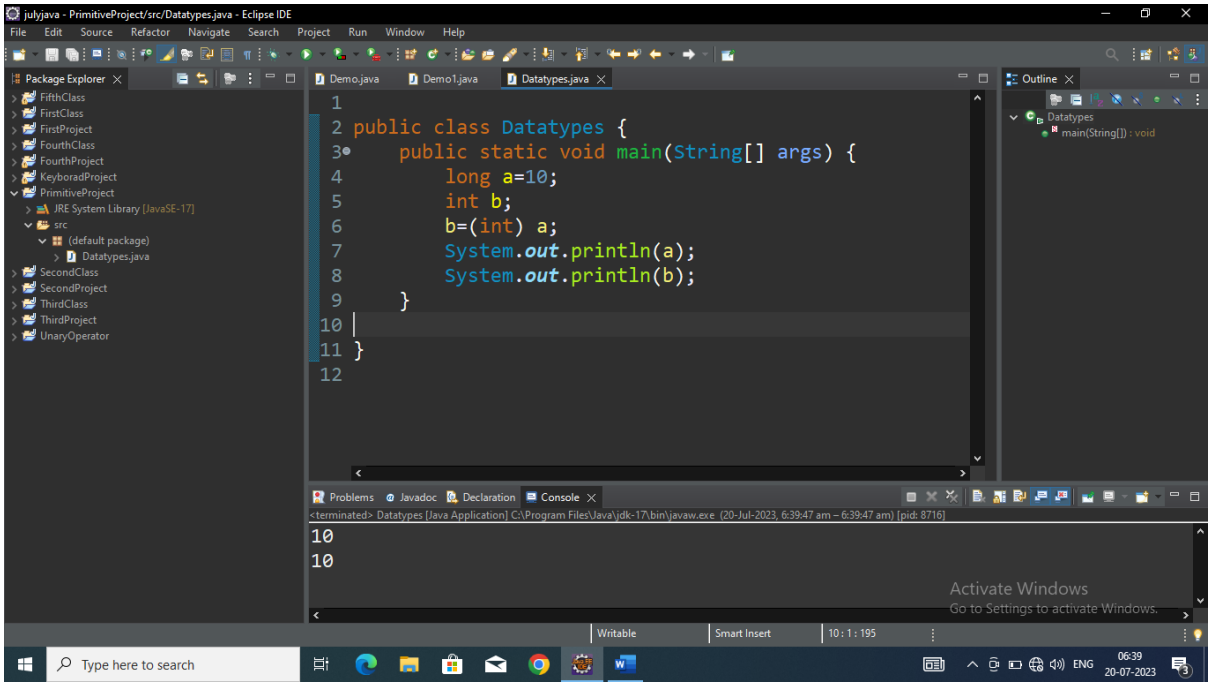
Conclusion: long to byte explicit should be done

Long to Short:



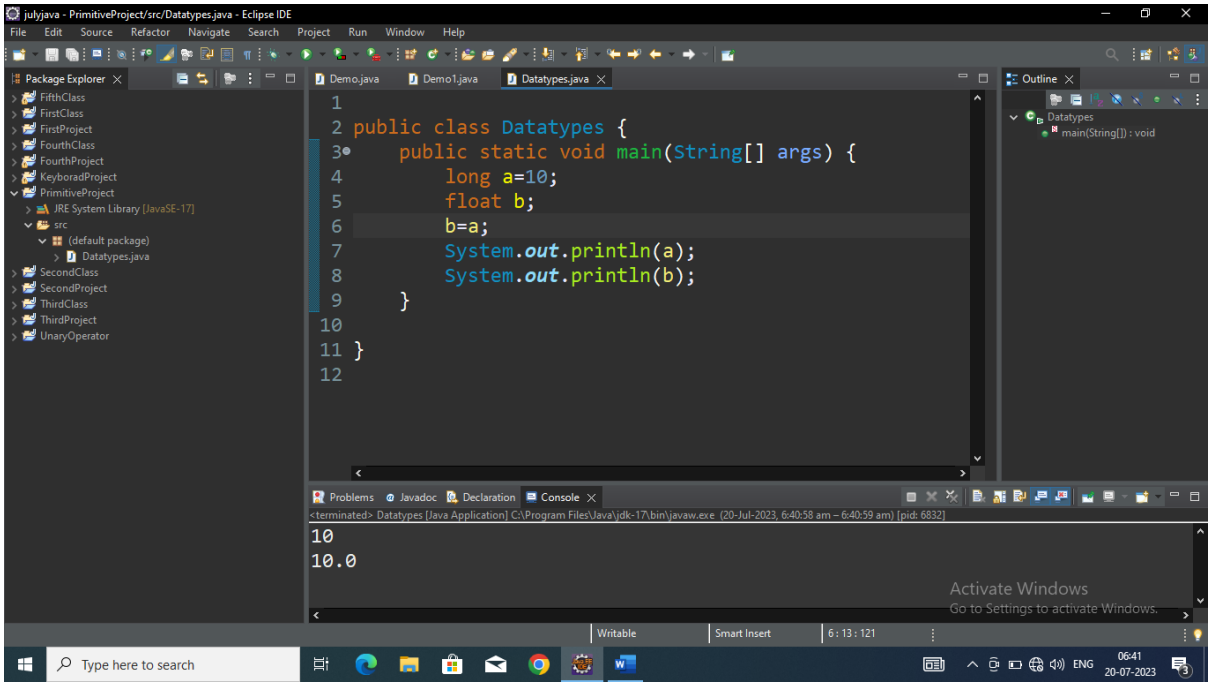
Conclusion: long to short explicit should be done

Long to Int:



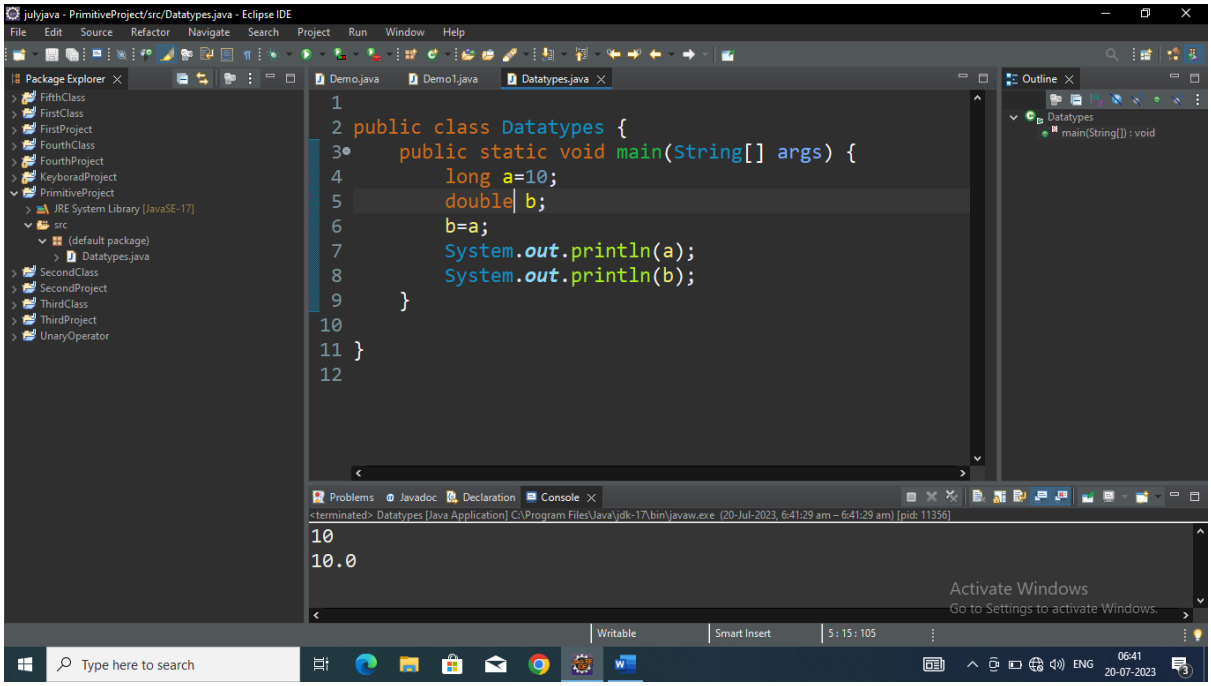
Conclusion: long to int explicit should be done

Long to Float:



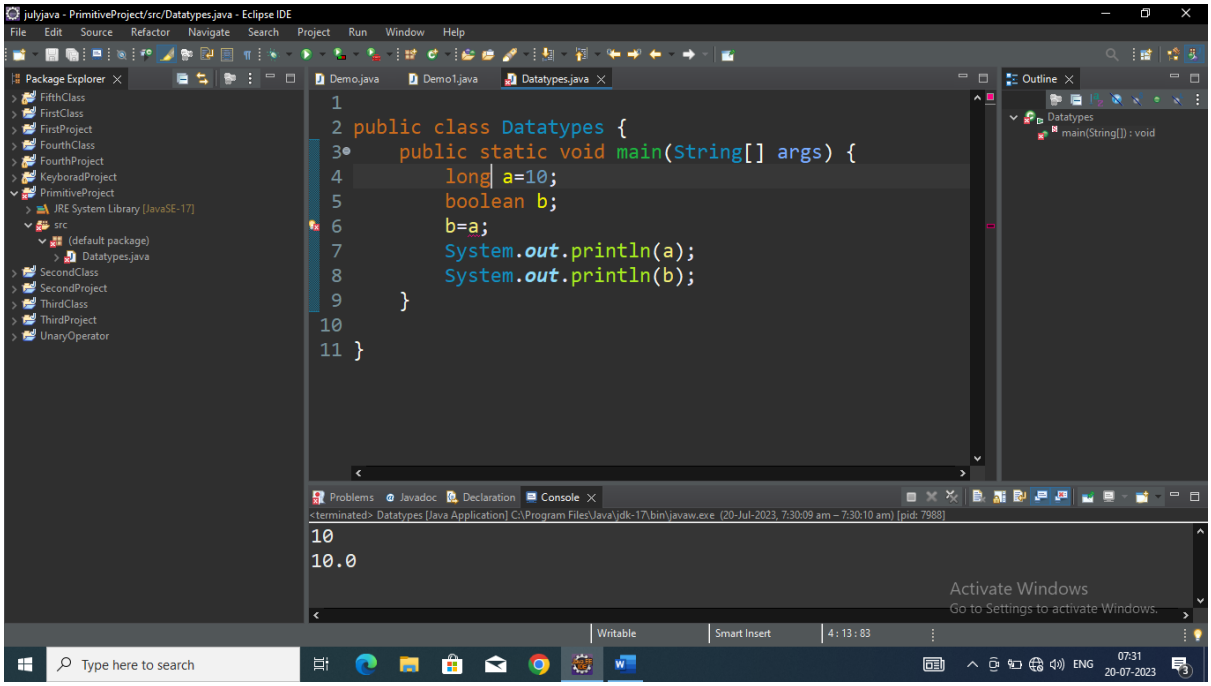
Conclusion: long to float implicit should be done

Long to Double:



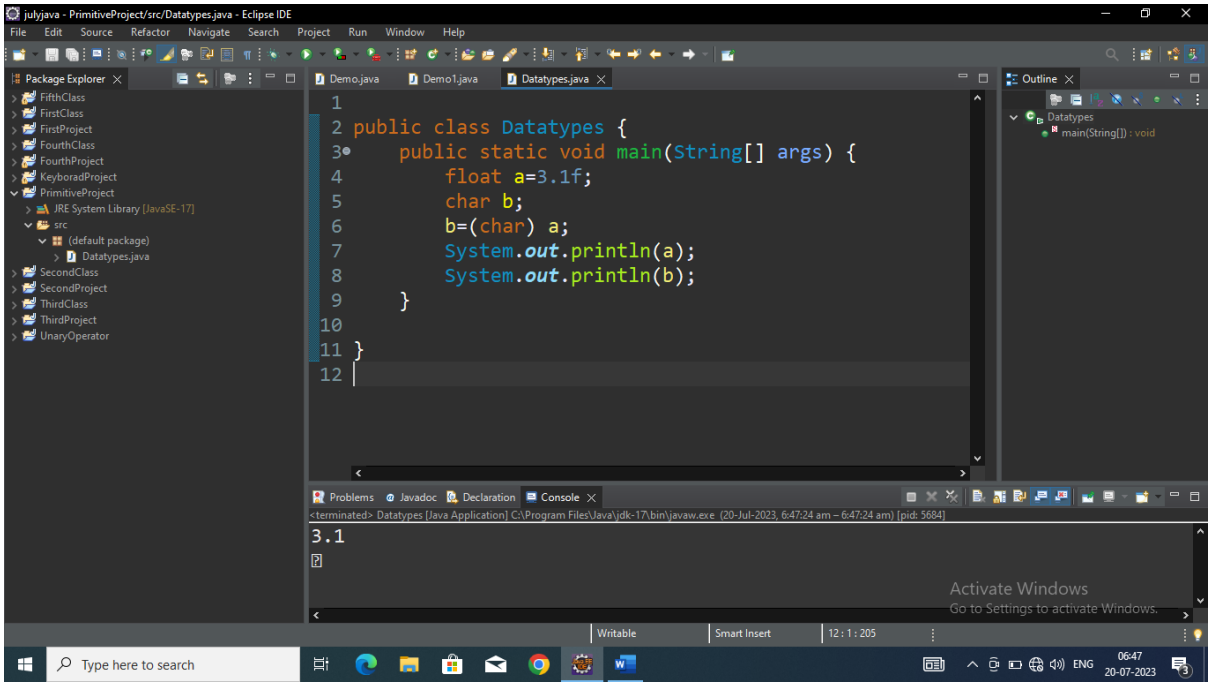
Conclusion: long to double implicit should be done

Long to Boolean:



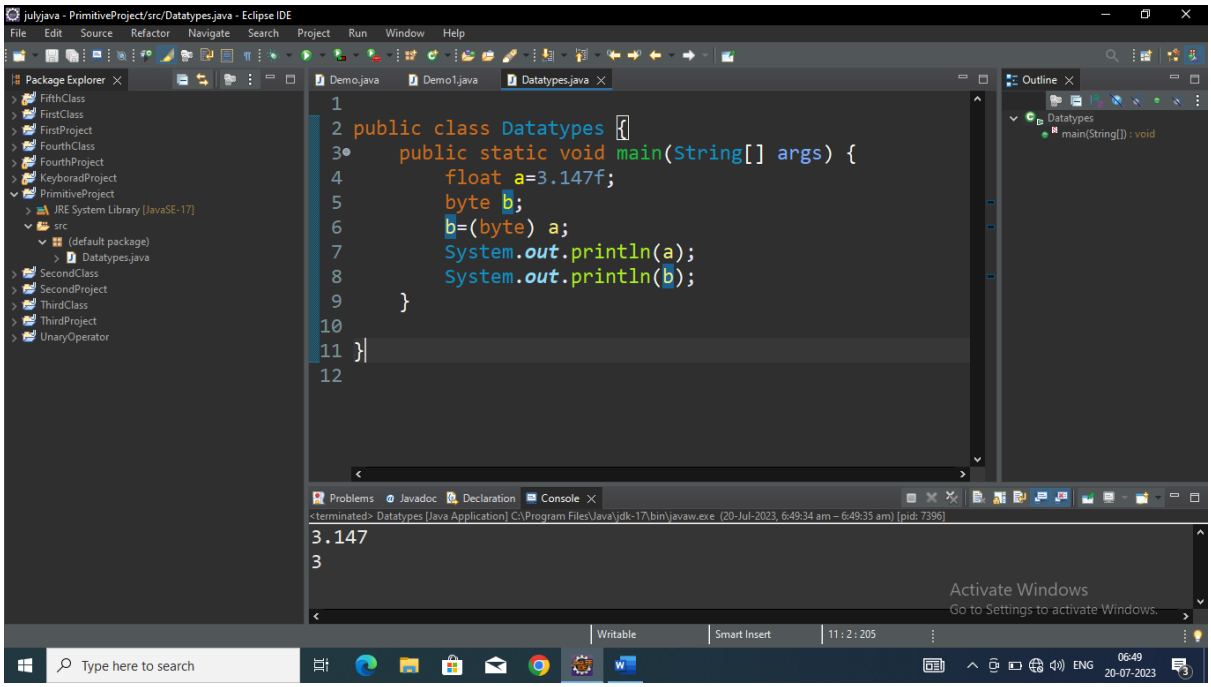
Conclusion: long to Boolean no should be done

Float to Char:



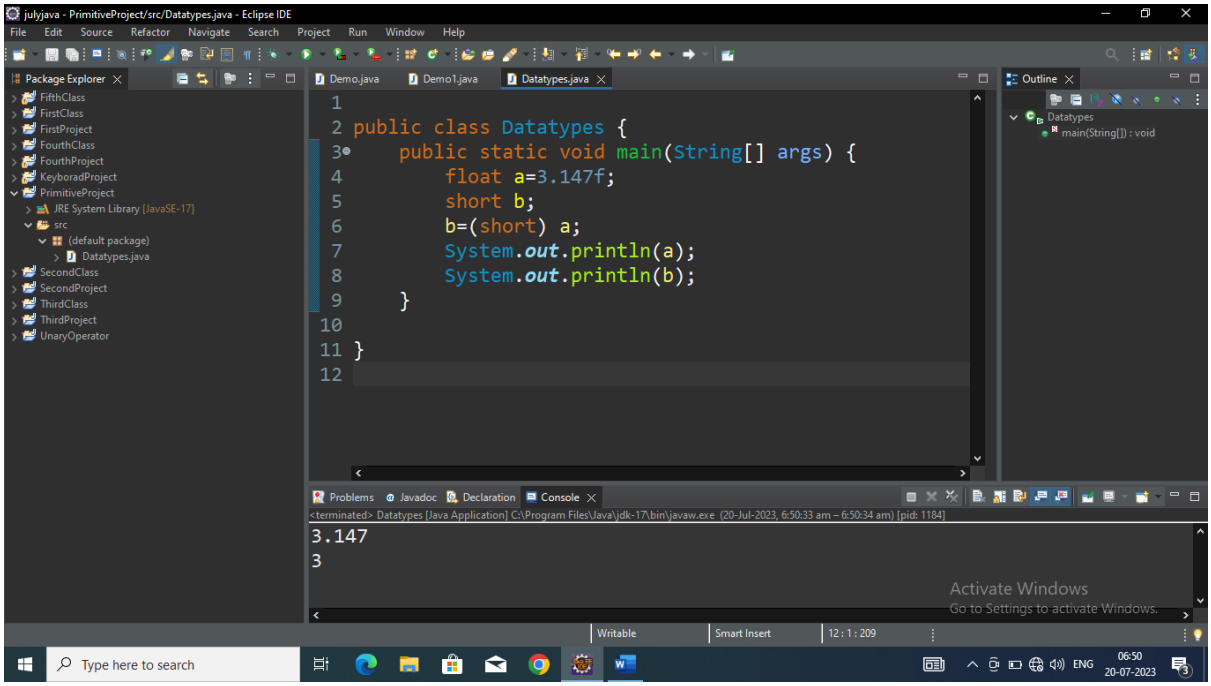
Conclusion: float to char explicit should be done

Float to Byte:



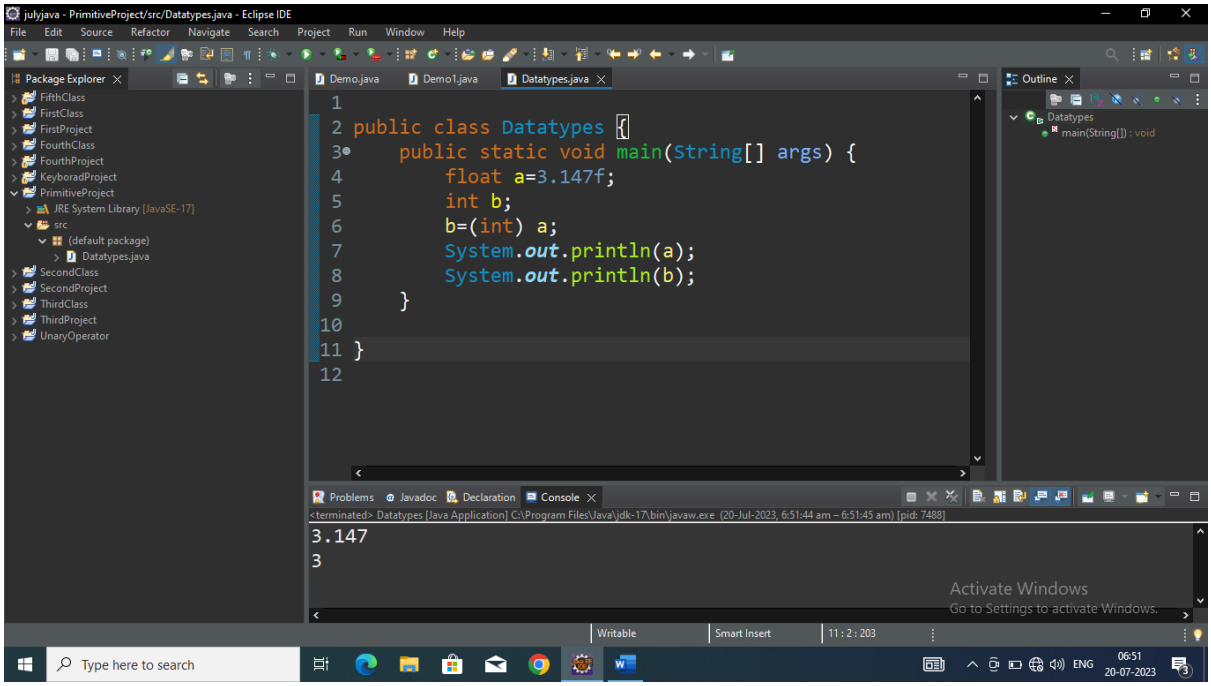
Conclusion: float to byte explicit should be done

Float to Short:



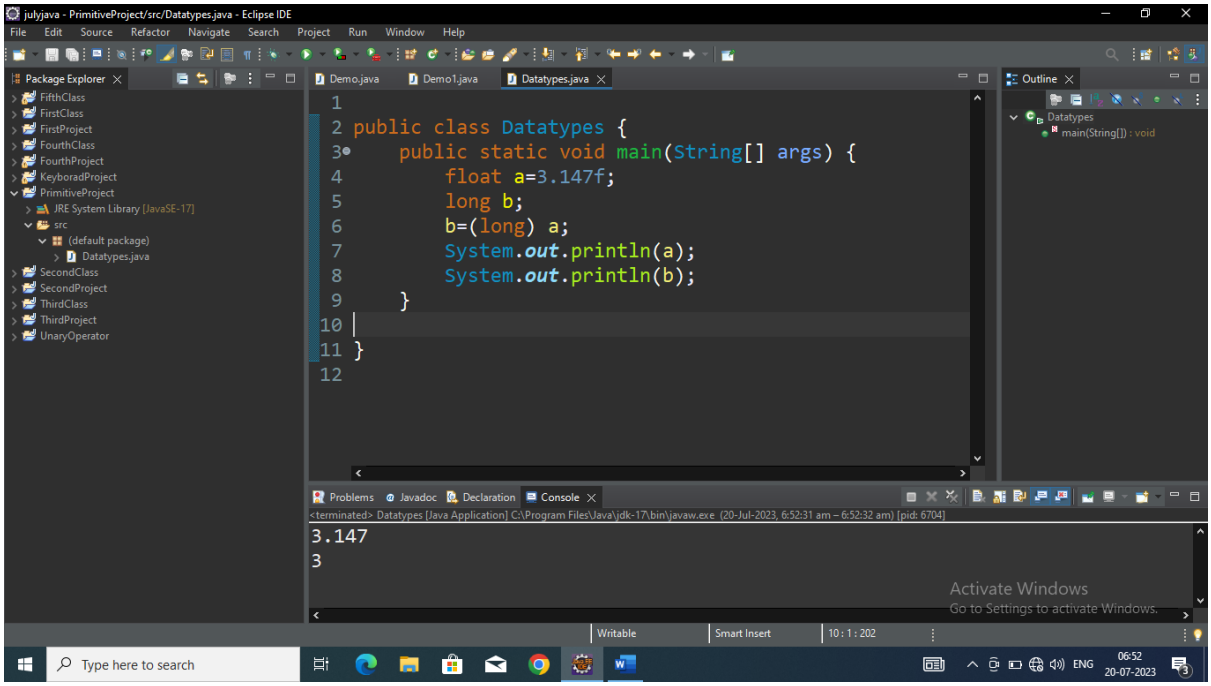
Conclusion: float to short explicit should be done

Float to Int:



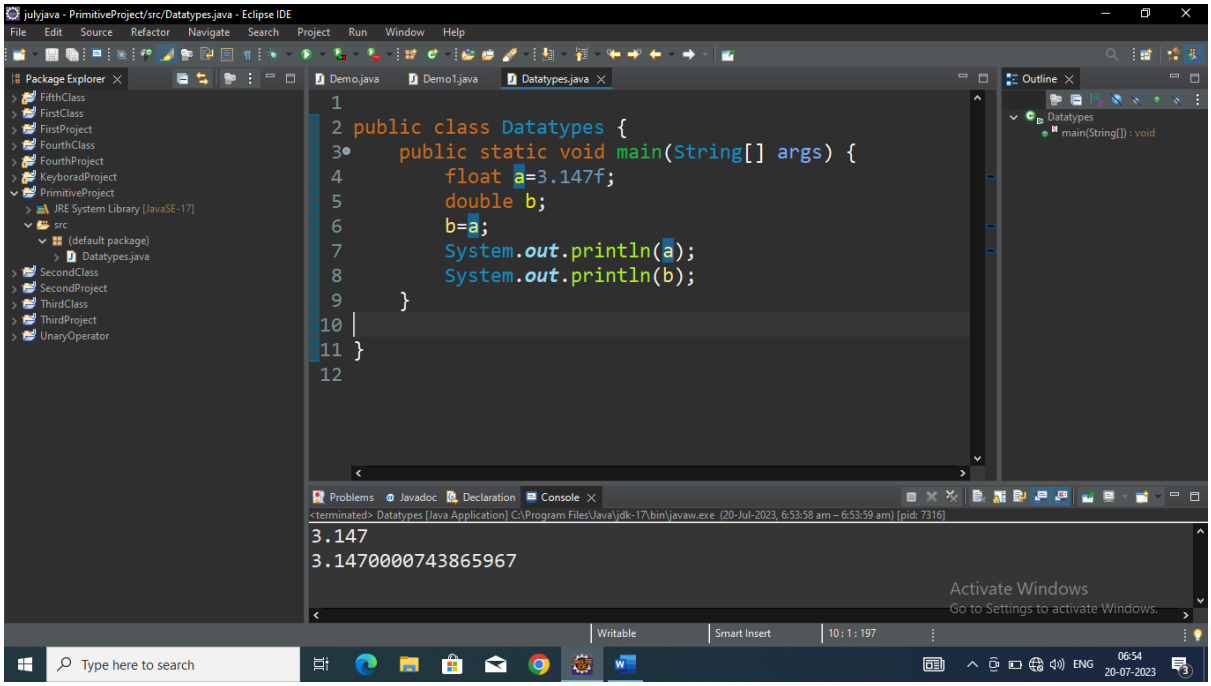
Conclusion: float to int explicit should be done

Float to Long:



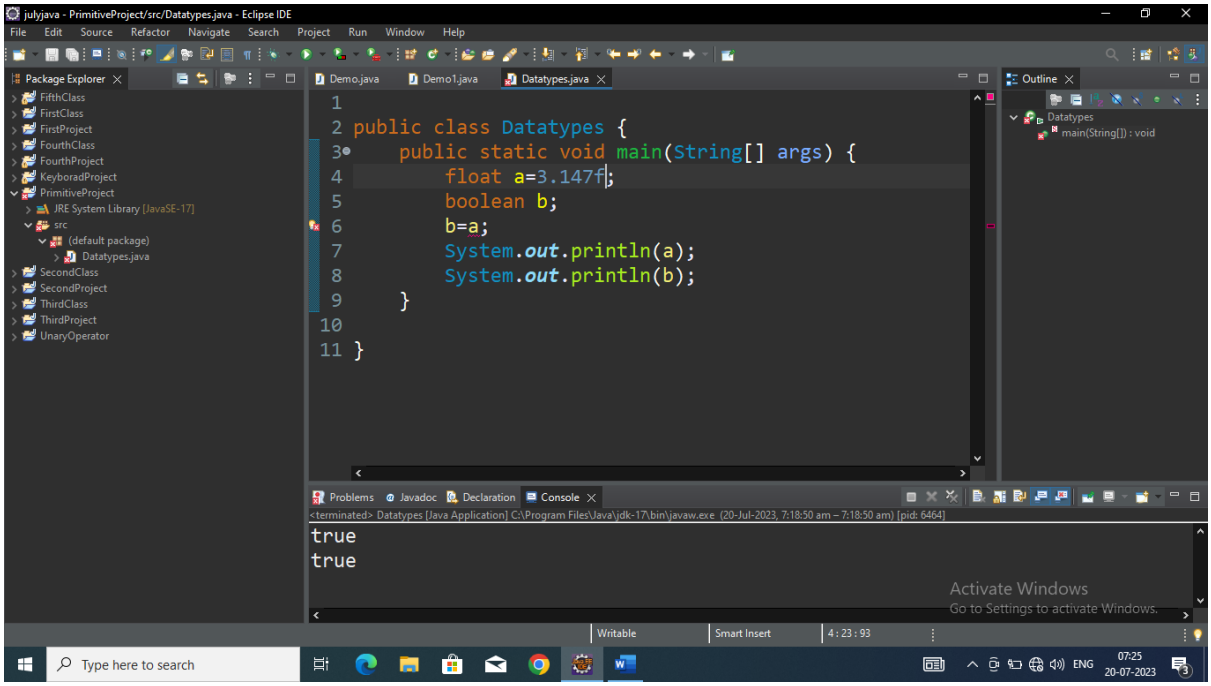
Conclusion: float to long explicit should be done

Float to Double:



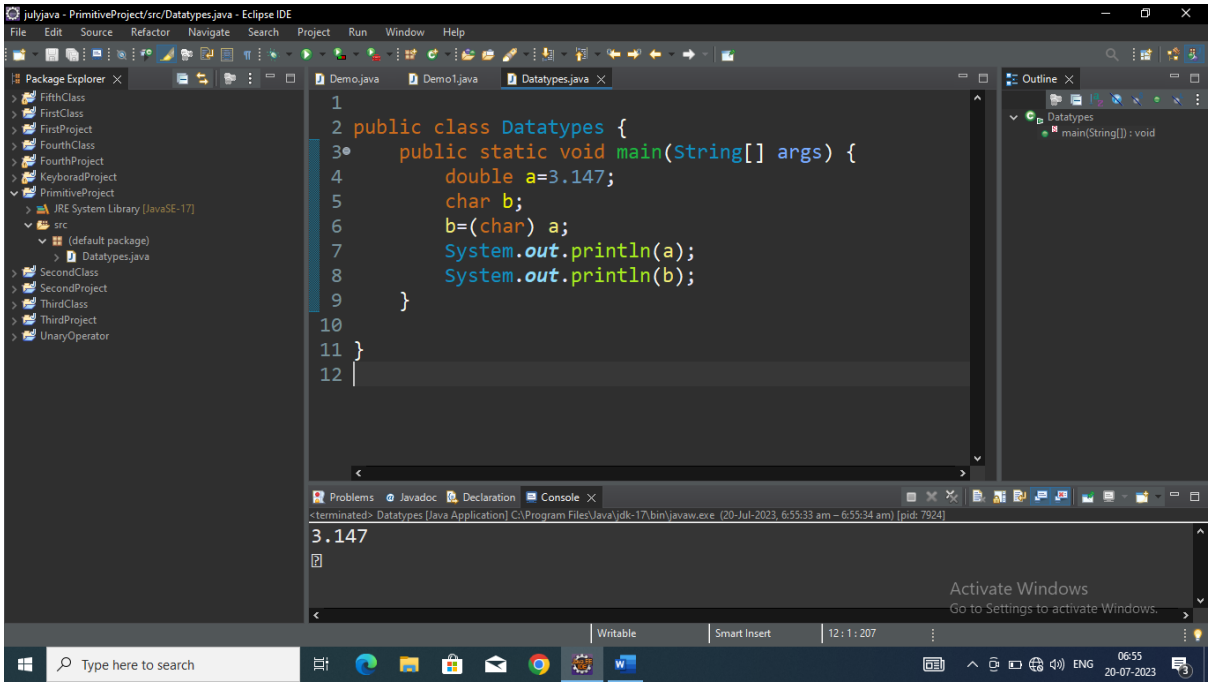
Conclusion: float to double Implicit should be done

Float to Boolean:



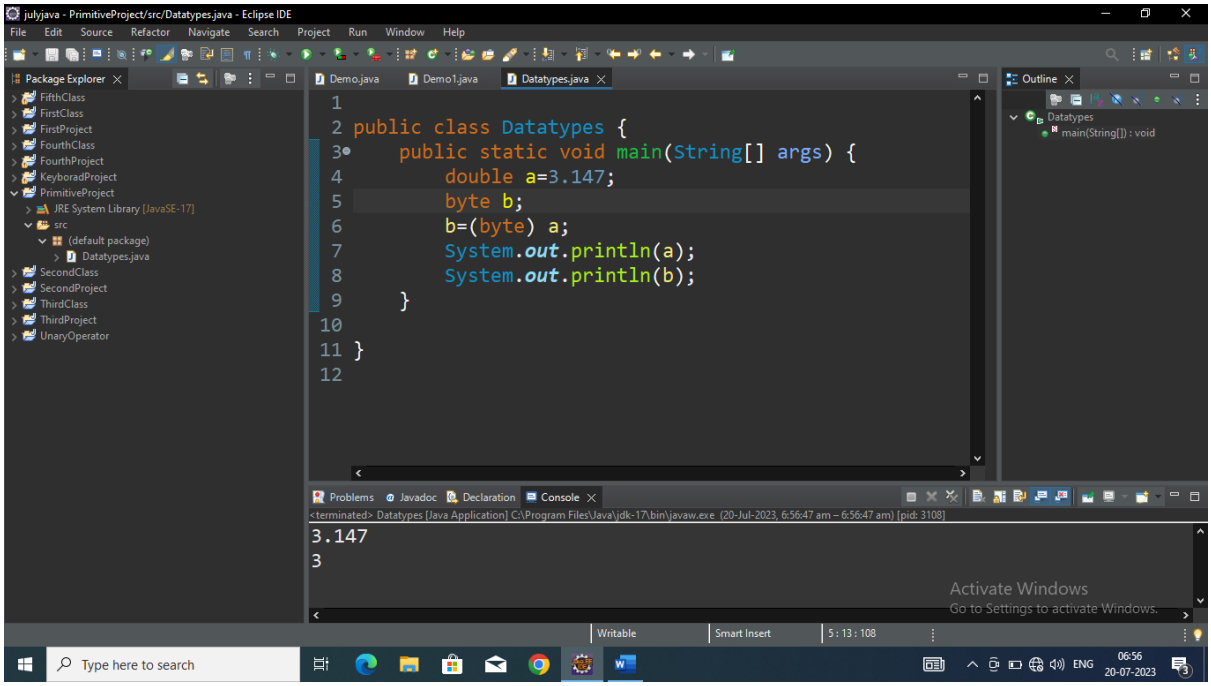
Conclusion: float to boolean no should be done

Double to Char:



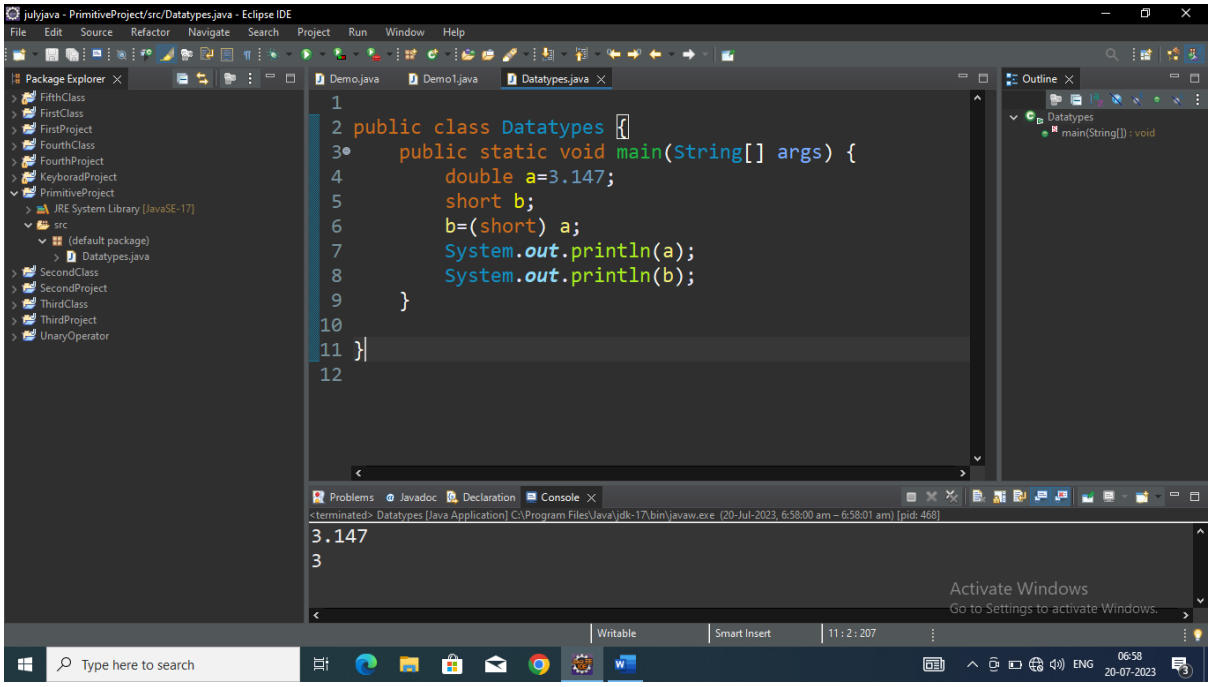
Conclusion: double to char explicit should be done

Double to Byte:



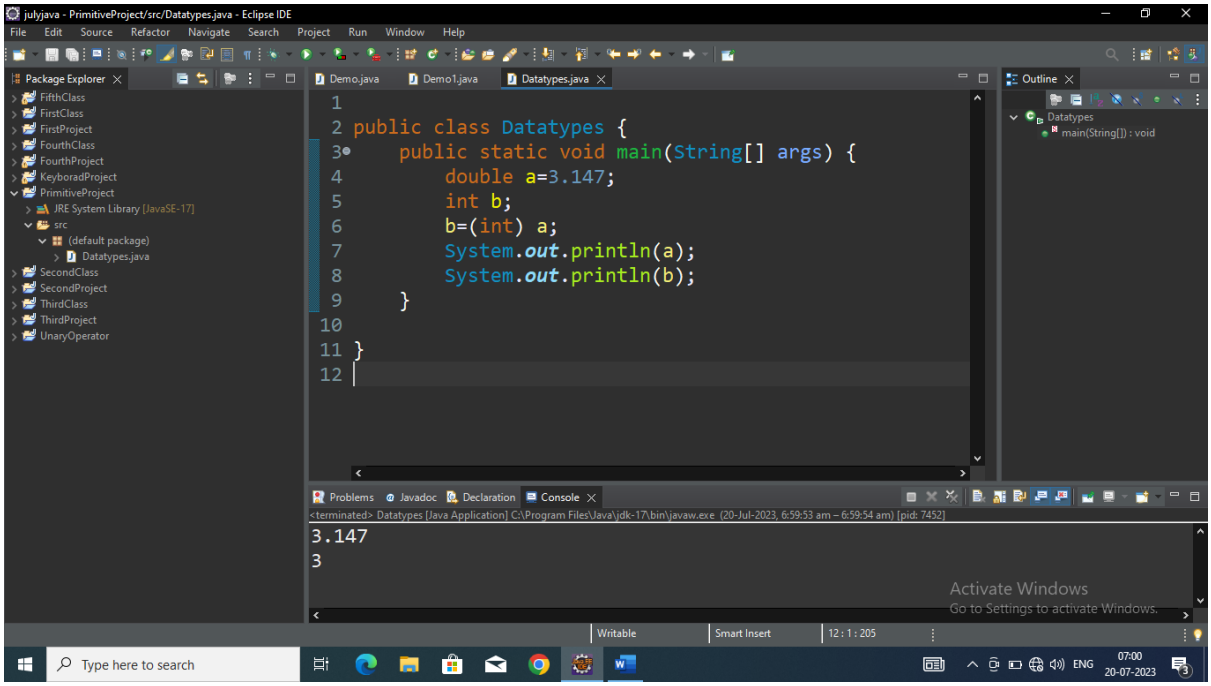
Conclusion: double to byte explicit should be done

Double to Short:



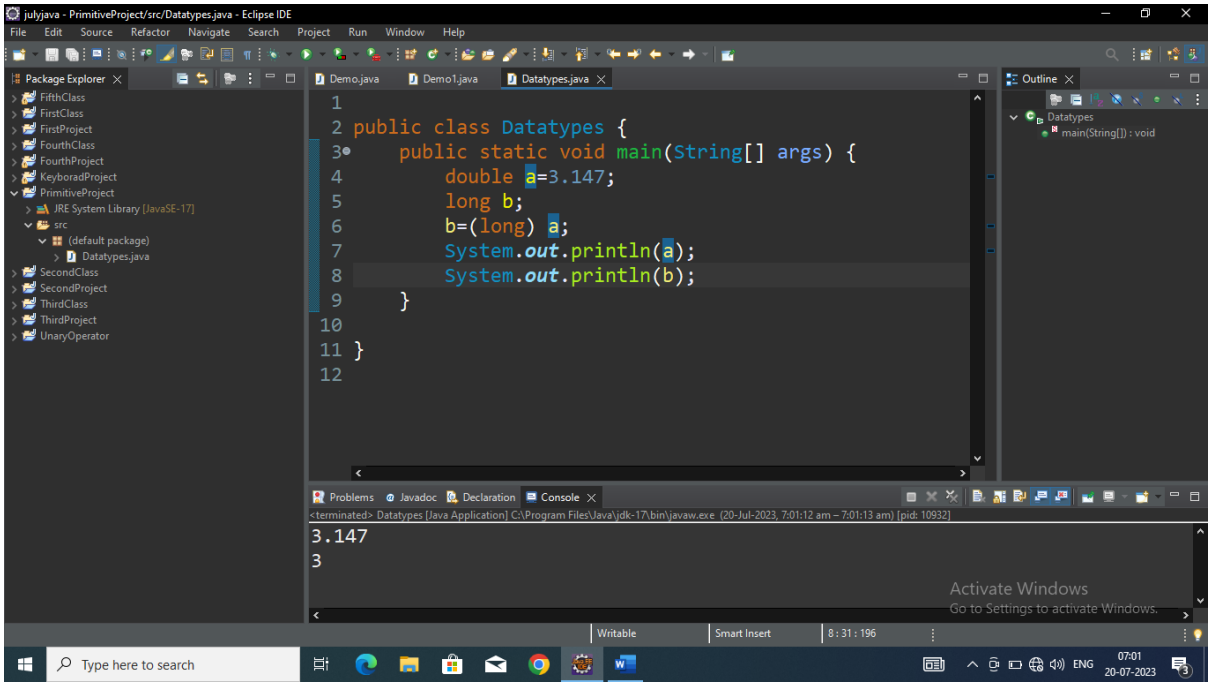
Conclusion: double to short explicit should be done

Double to Int:



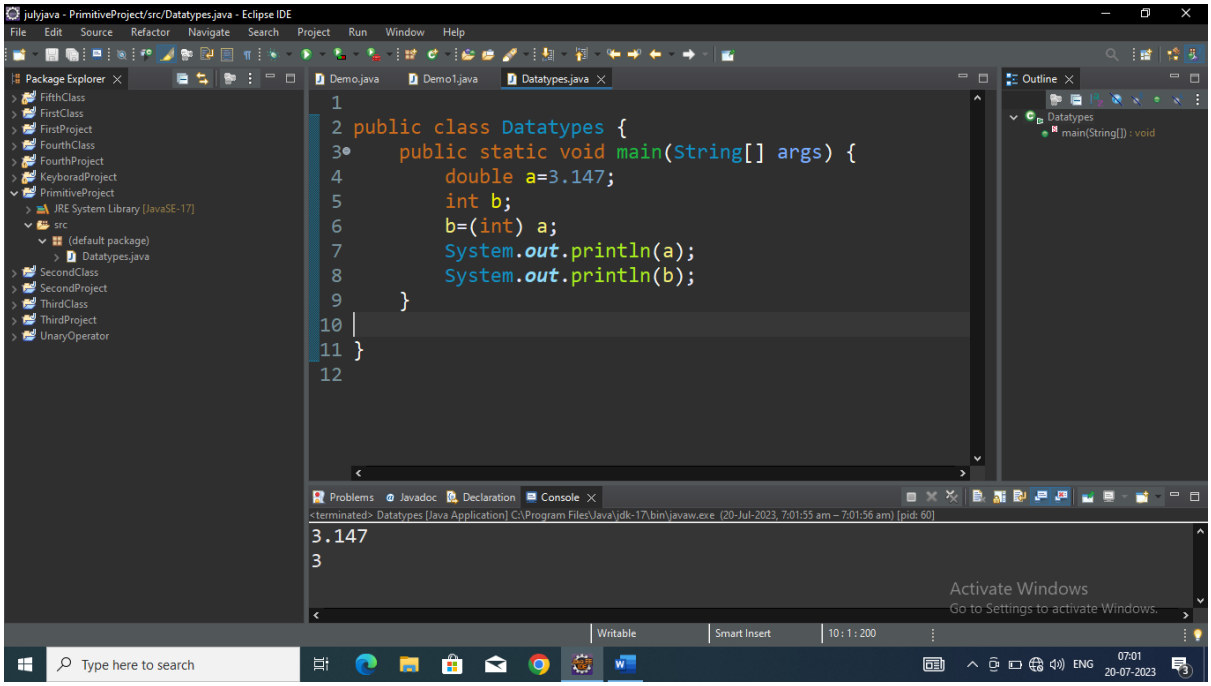
Conclusion: double to int explicit should be done

Double to Long:



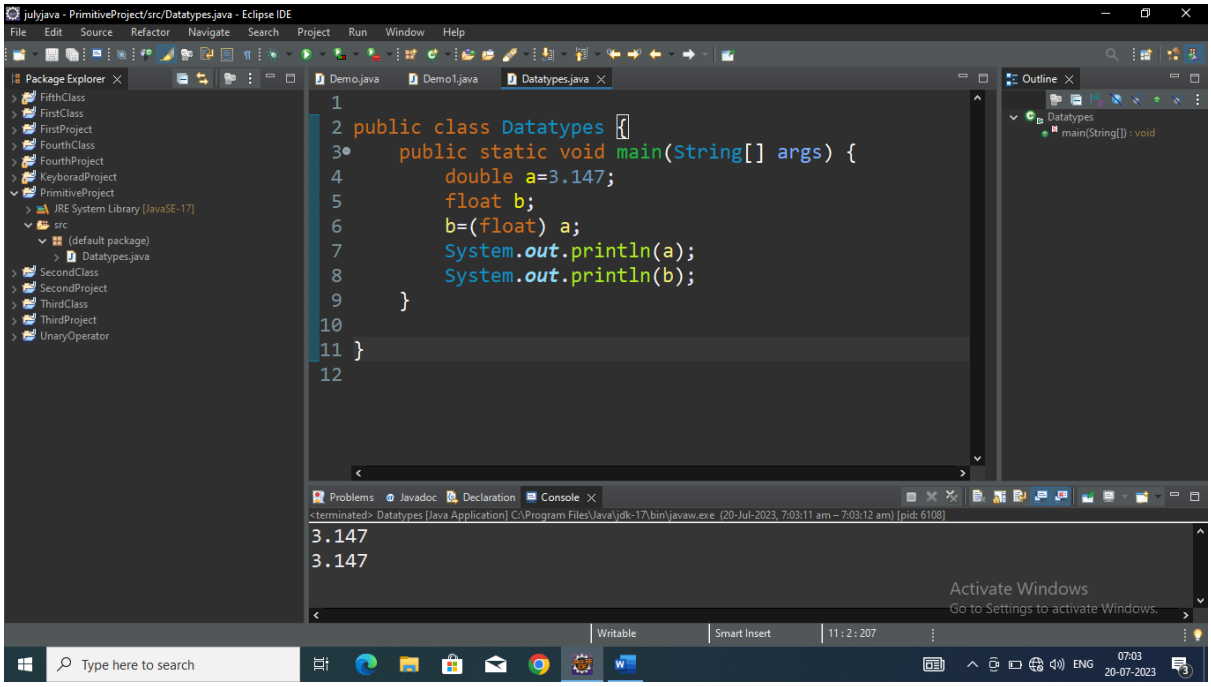
Conclusion: double to long explicit should be done

Double to int:



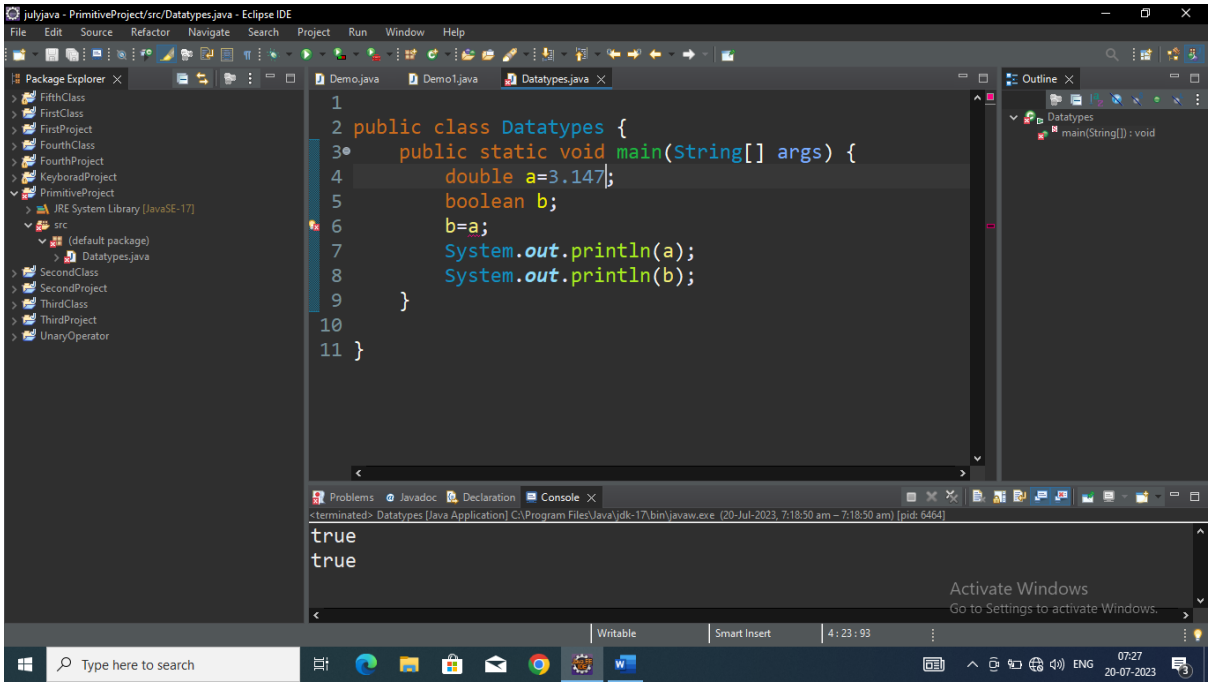
Conclusion: double to int explicit should be done

Double to Float:



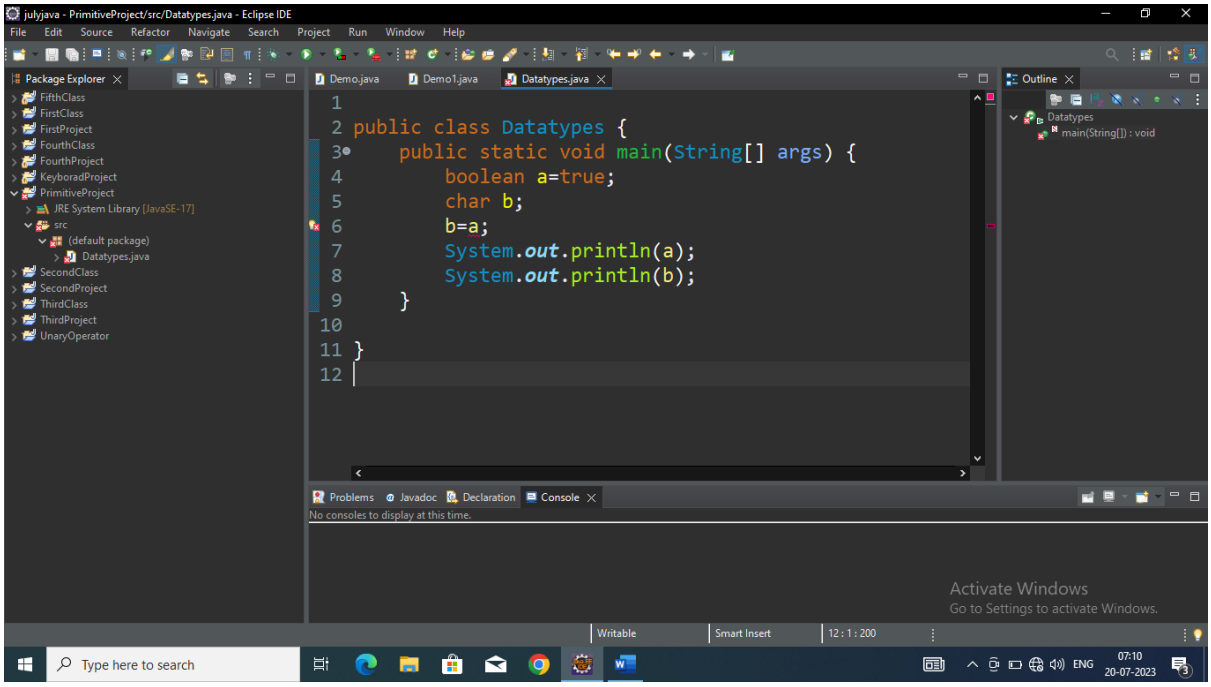
Conclusion: double to double explicit should be done

Double to Boolean:

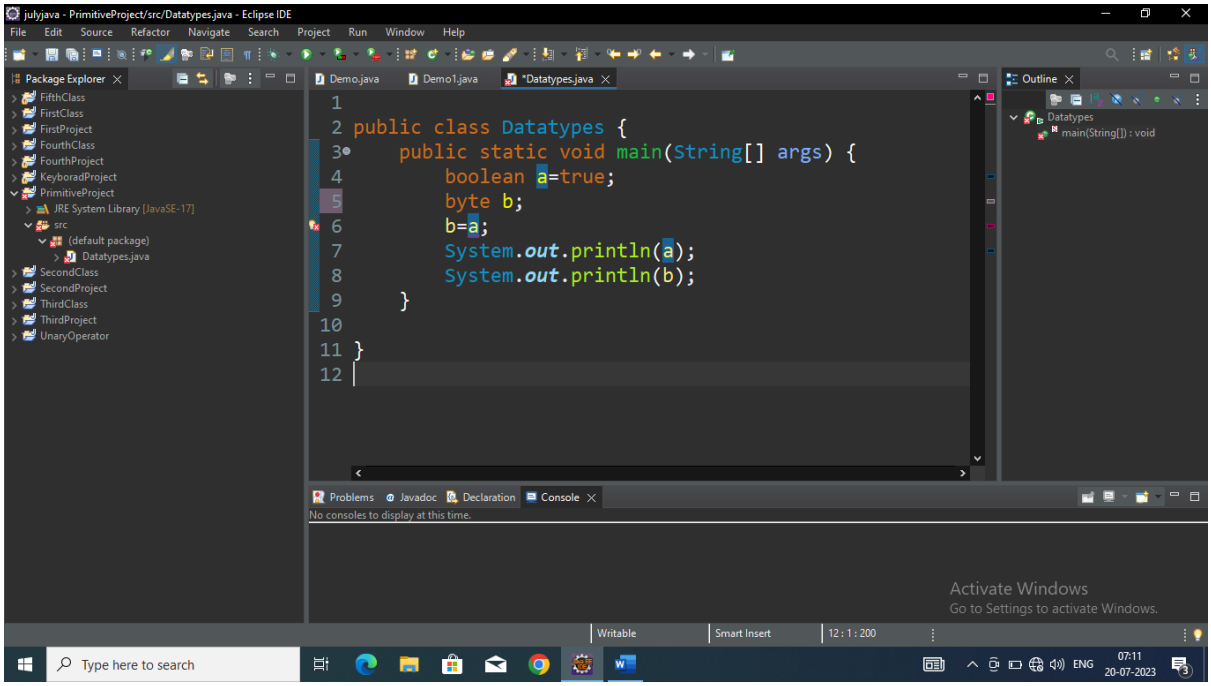


Conclusion: double to Boolean no should be done

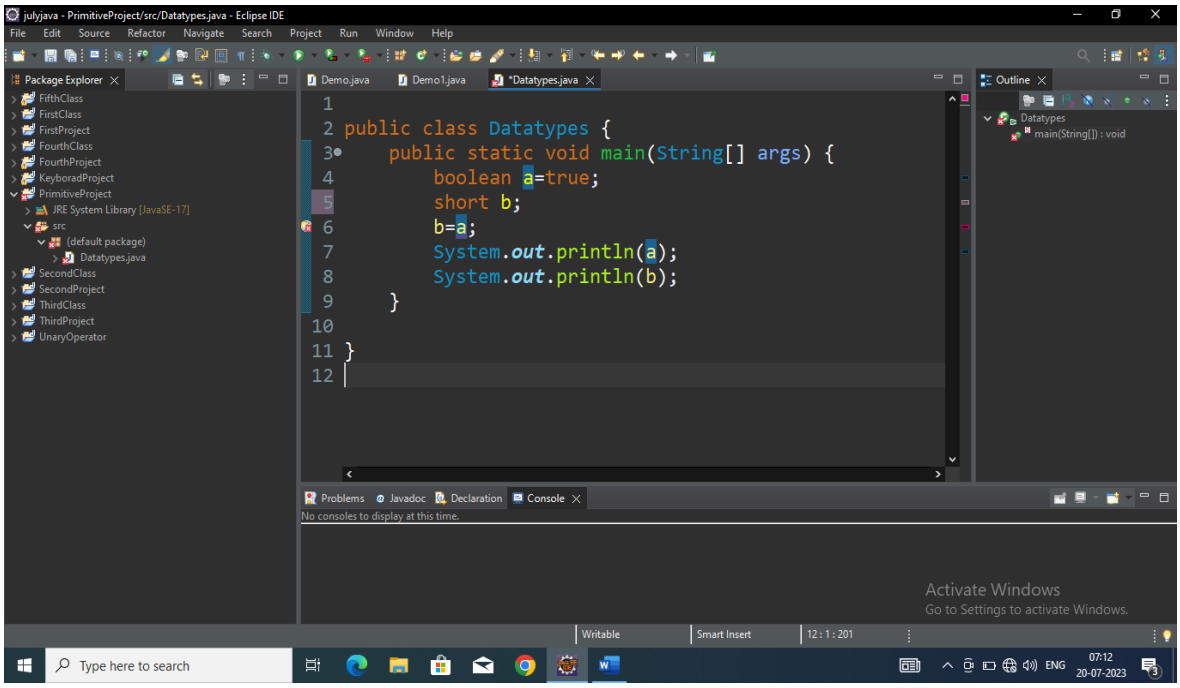
Boolean to Char:



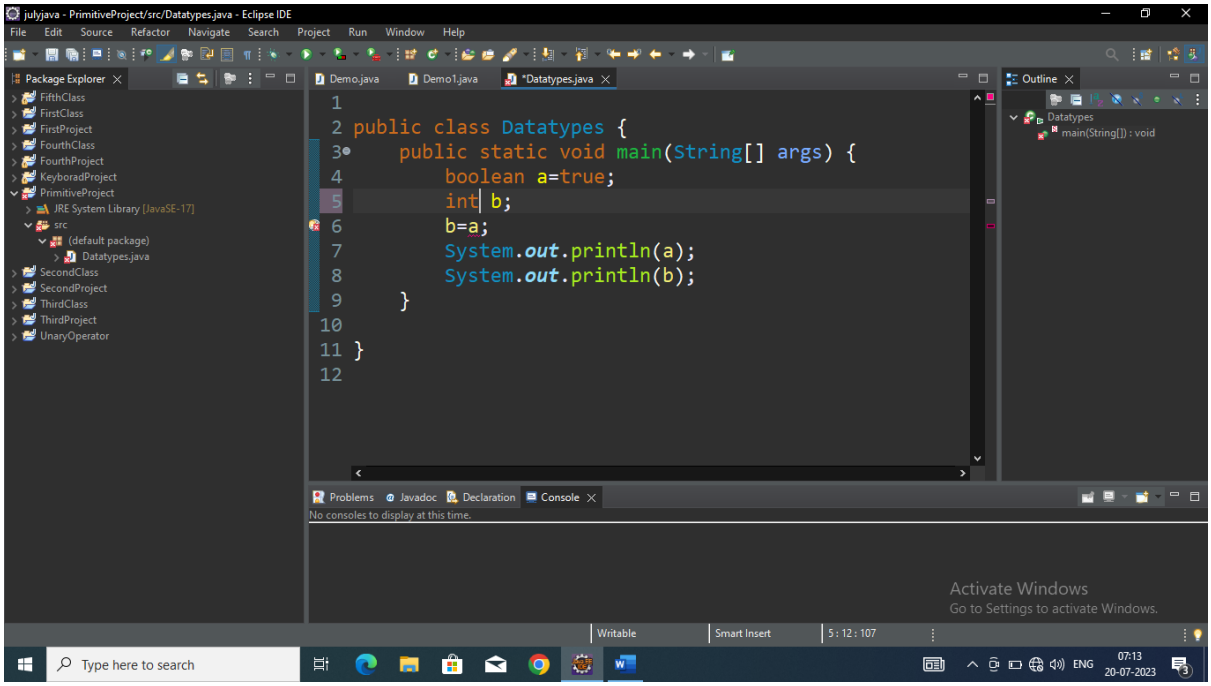
Boolean to Byte:



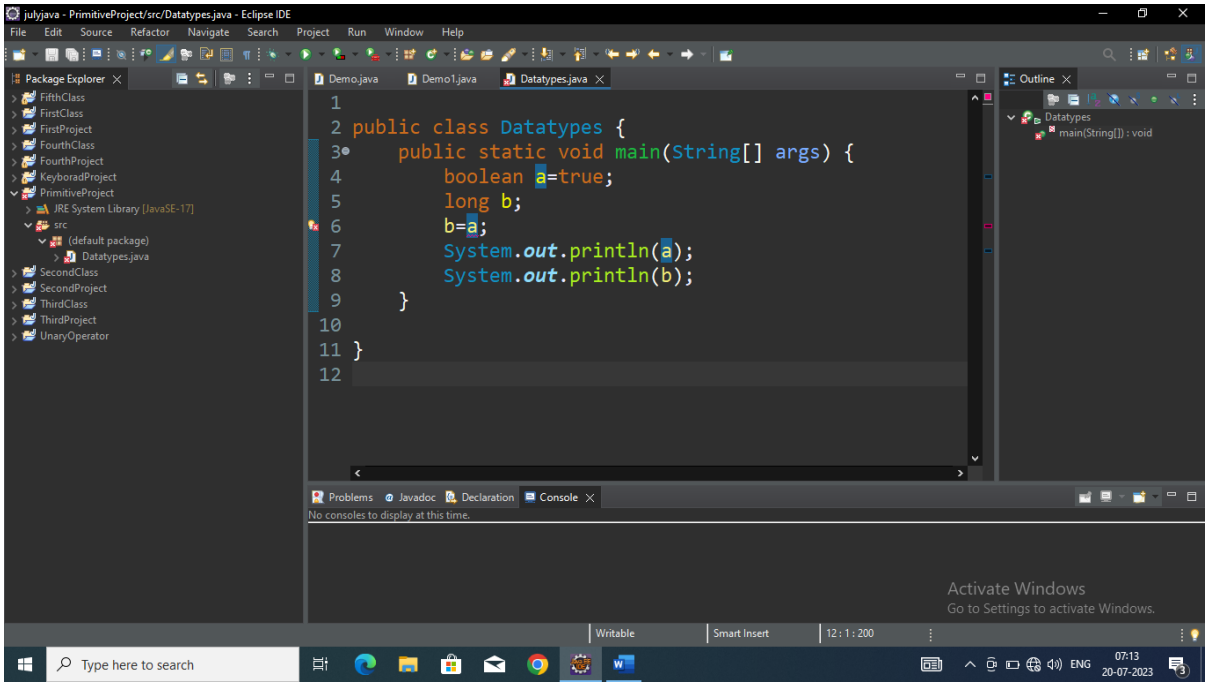
Boolean to Short:



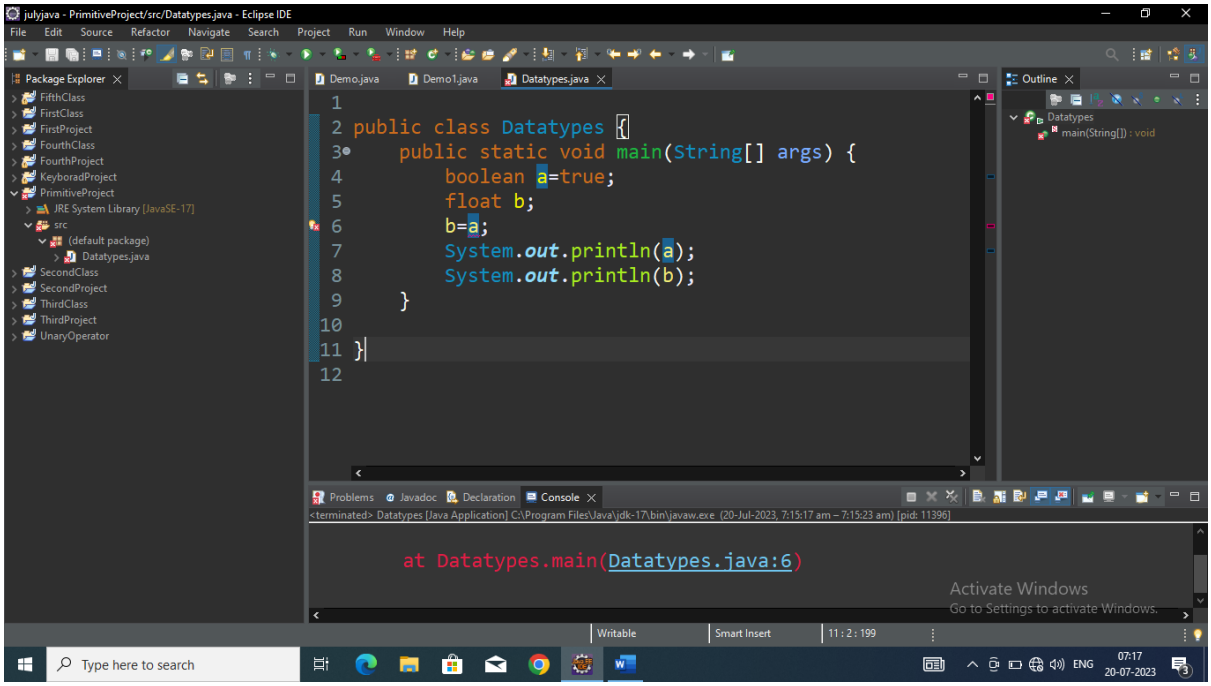
Boolean to Int:



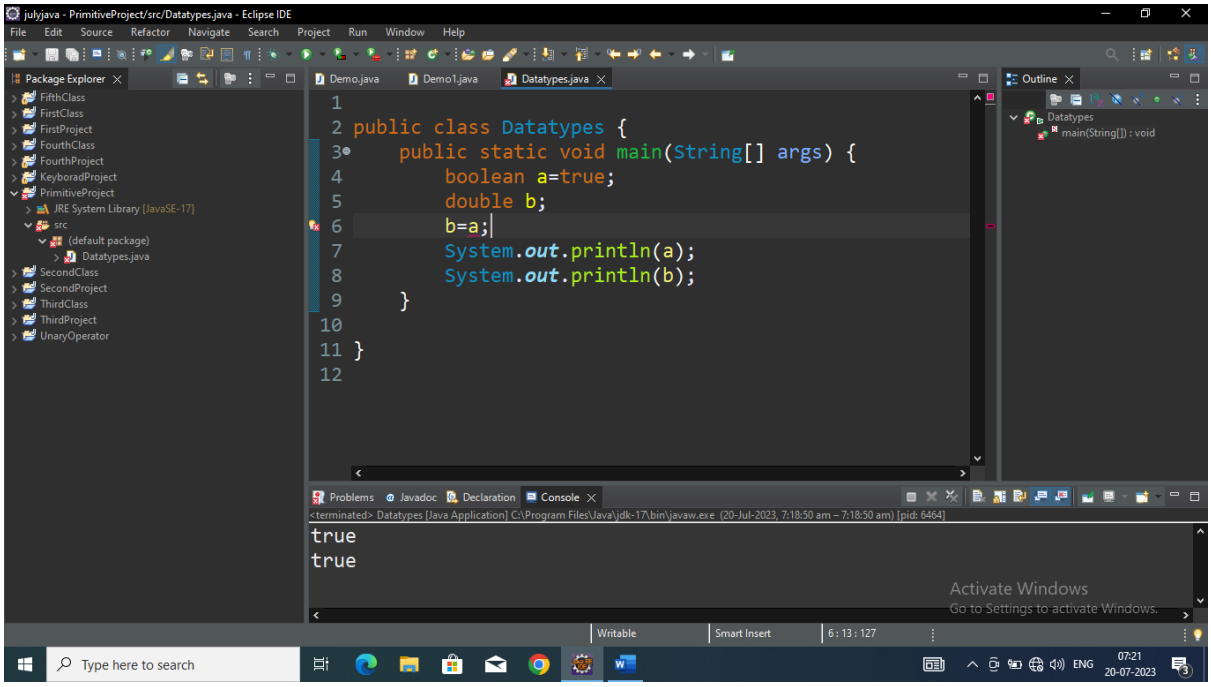
Boolean to Long:



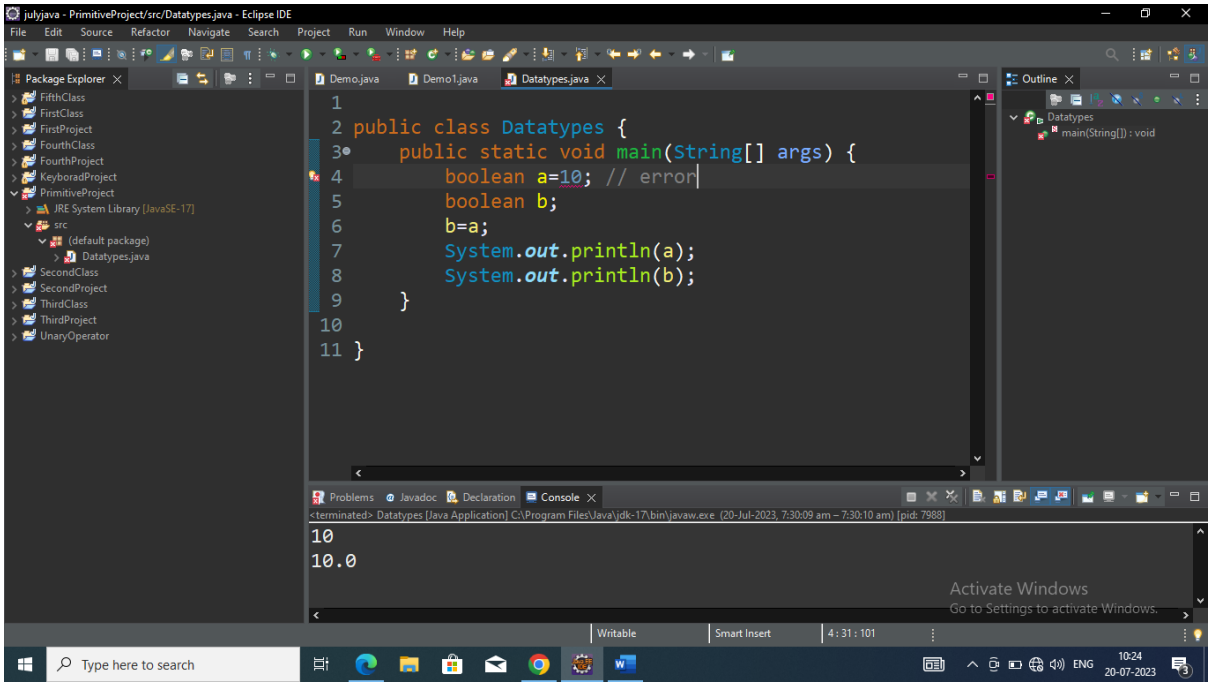
Boolean to Float:



Boolean to Double:



Boolean to Boolean:



Boolean to char

We can’t any type of conversion from boolean to char

Boolean to byte

We can’t any type of conversion from boolean to byte

Boolean to short

We can’t any type of conversion from boolean to short

Boolean to int

We can’t any type of conversion from boolean to int

Boolean to long

We can’t any type of conversion from boolean to long

Boolean to float

We can’t any type of conversion from boolean to float

Boolean to double

We can’t any type of conversion from boolean to double

THE REQUIRED TABLE:

	char	byte	short	int	long	float	double	boolean
char	CNR	Y/EC	Y/EC	Y/IC	Y/IC	Y/IC	Y/IC	✖
byte	Y/EC	CNR	Y/IC	Y/IC	Y/IC	Y/IC	Y/IC	✖
short	Y/EC	Y/EC	CNR	Y/EC	Y/IC	Y/IC	Y/IC	✖
Int	Y/EC	Y/EC	Y/EC	CNR	Y/IC	Y/IC	Y/IC	✖
long	Y/EC	Y/EC	Y/EC	Y/EC	CNR	Y/IC	Y/IC	✖
float	Y/EC	Y/EC	Y/EC	Y/EC	Y/EC	CNR	Y/IC	✖
double	Y/EC	Y/EC	Y/EC	Y/EC	Y/EC	Y/EC	CNR	✖
boolean	✖	✖	✖	✖	✖	✖	✖	CNR

Type Casting in java