

```
File Edit View
```

eg: float a= 10.5;





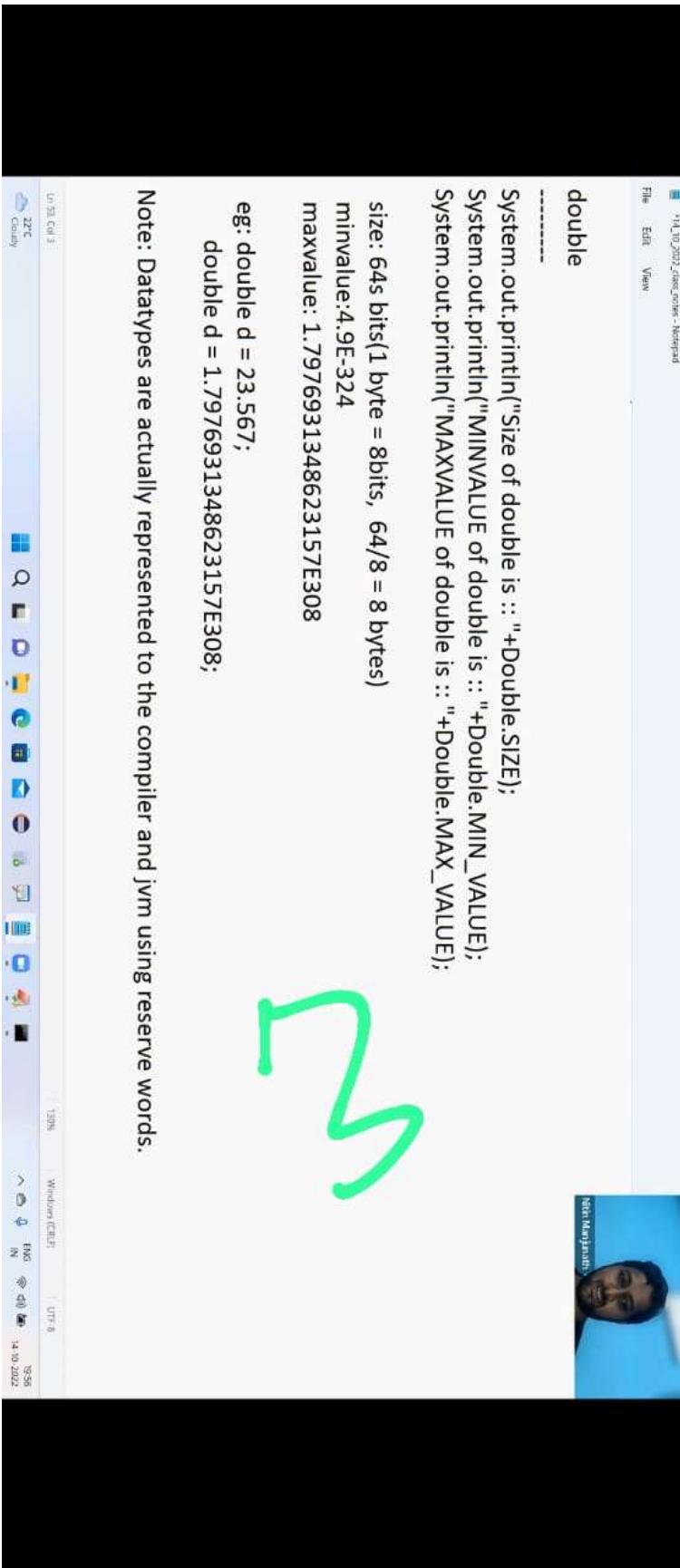
14_10_2022_21ms_prime - Notepad

File Edit View

```
System.out.println("MAXVALUE of float is :: "+Float.MAX_VALUE);
size: 32 bits(1 byte = 8bits, 32/8 = 4 bytes)
minvalue:1.4E-45
maxvalue: 3.4028235E38
```

Note: by default if u specify any real number/decimal number compiler will treat it as "double", to specify to the compiler to treat it as float, we need to suffix it with 'F' or 'f'.

eg: float a = 10.5;//CE: possibly loss of precession
float a = 10.5f;
float b = 25.5F;



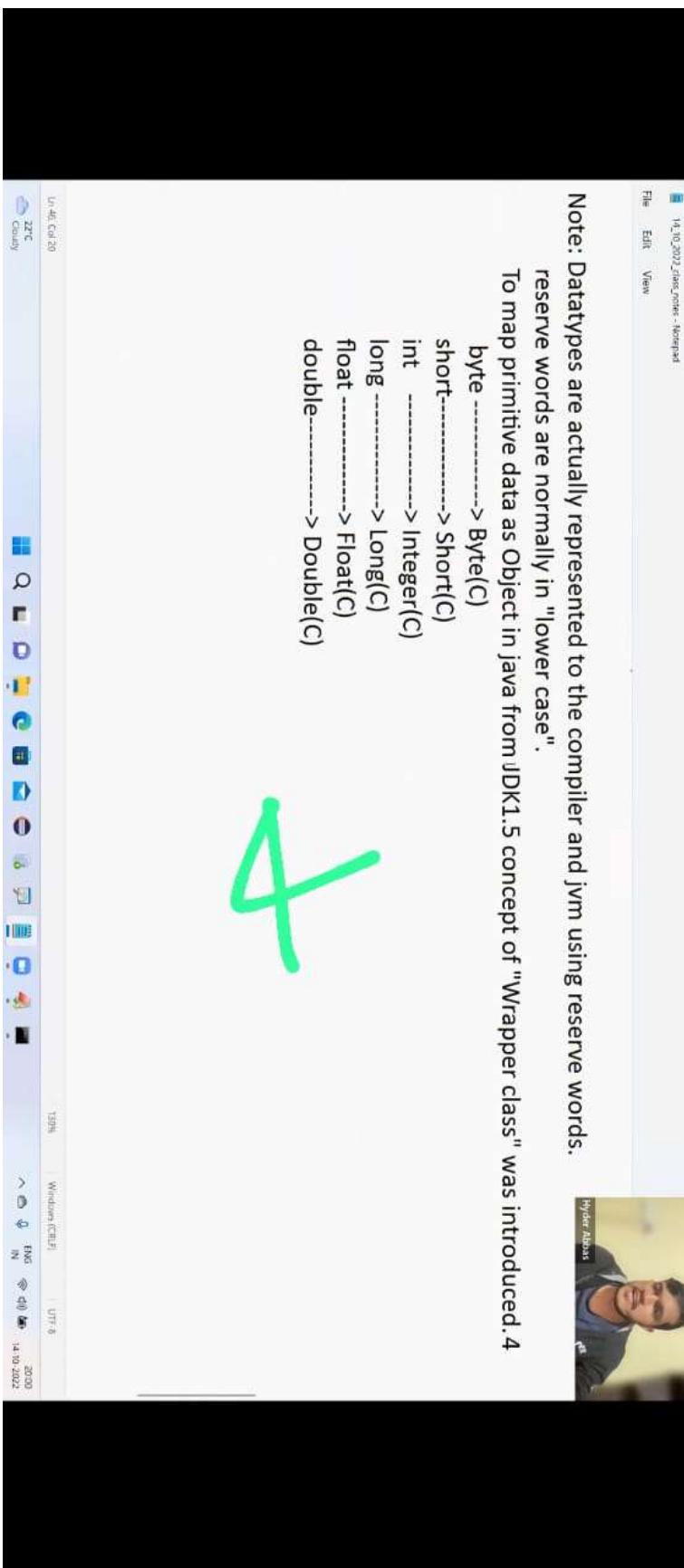
A screenshot of a Java code editor showing a snippet of code and its output. The code prints the size, minimum value, and maximum value of a double type.

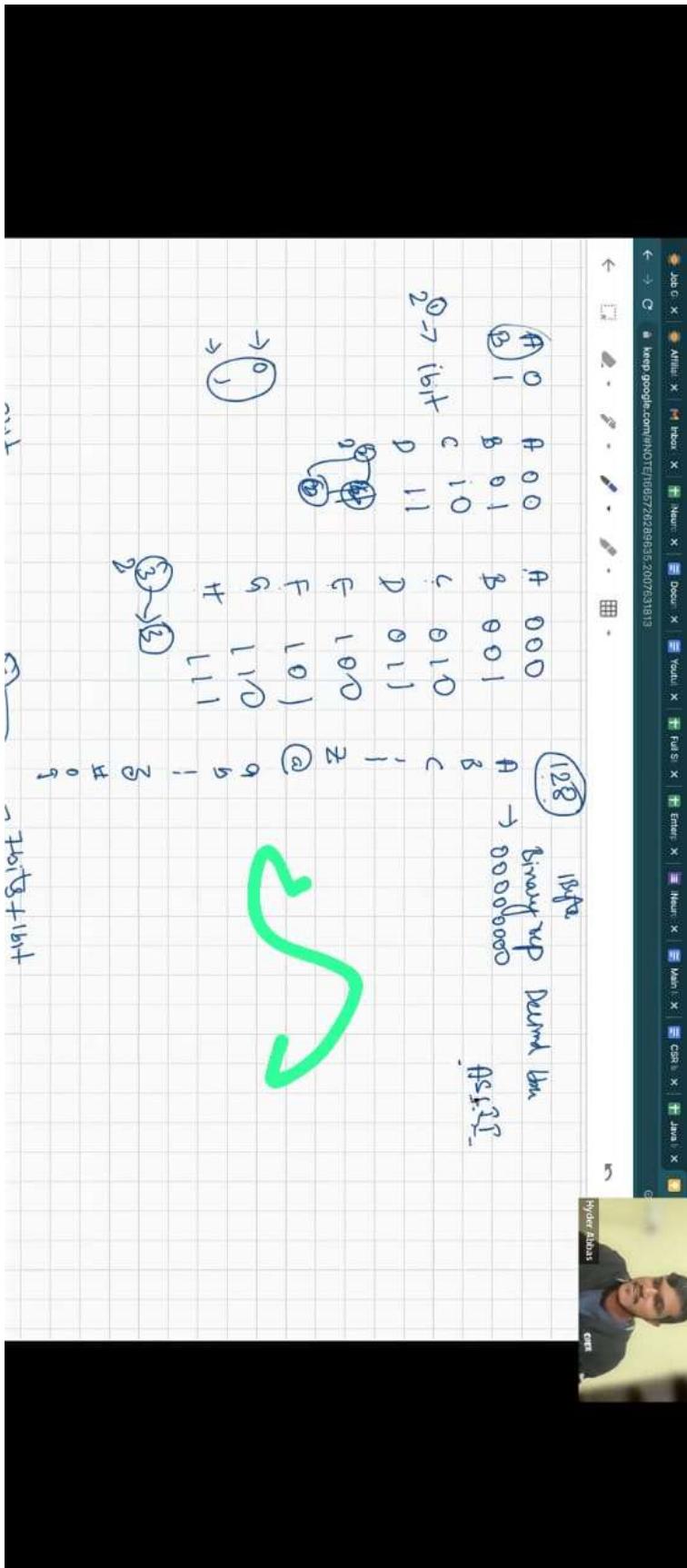
```
*14.10.2022.class_review - Notepad  
File Edit View  
  
double  
-----  
System.out.println("Size of double is :: "+Double.SIZE);  
System.out.println("MINVALUE of double is :: "+Double.MIN_VALUE);  
System.out.println("MAXVALUE of double is :: "+Double.MAX_VALUE);  
  
size: 64s bits(1 byte = 8bits, 64/8 = 8 bytes)  
minvalue:4.9E-324  
maxvalue: 1.7976931348623157E308  
  
eg: double d = 23.56;  
double d = 1.7976931348623157E308;
```

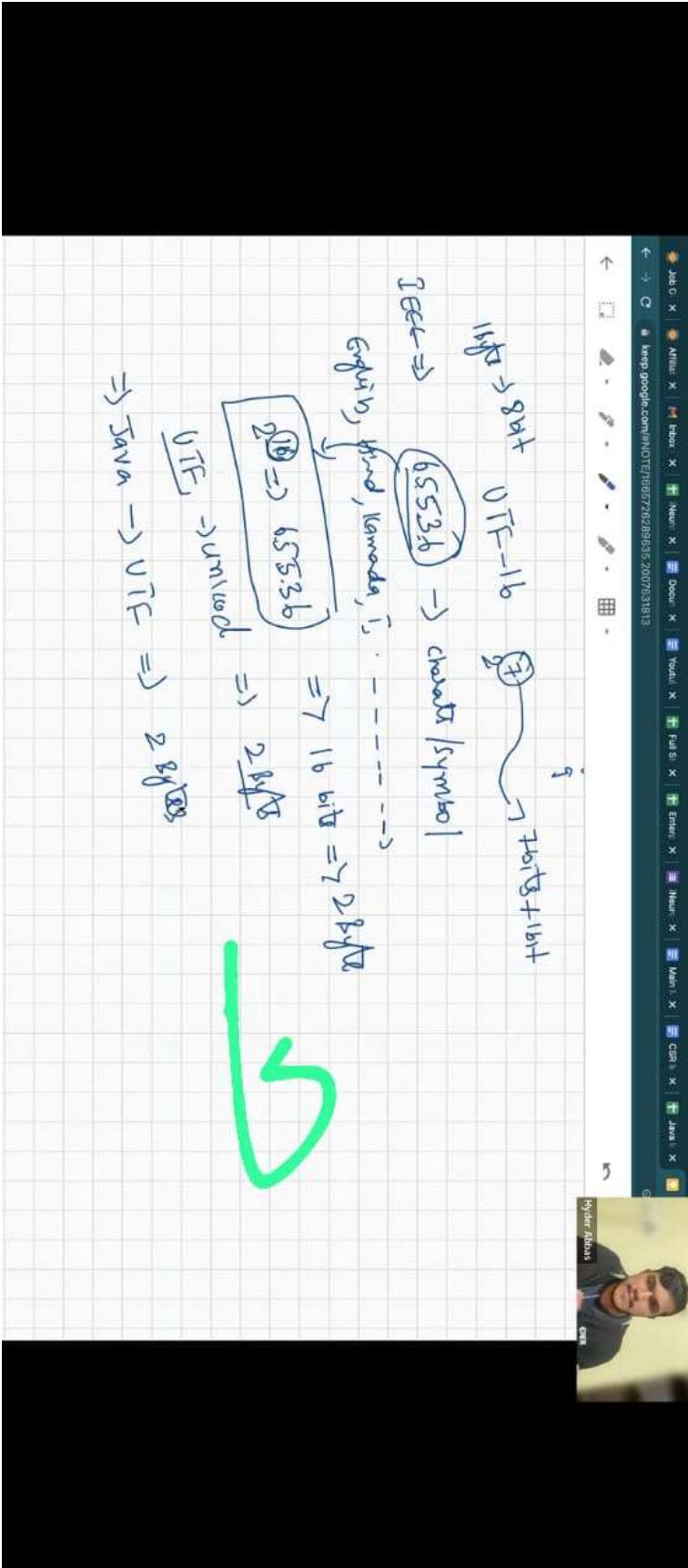
The output shows:
Size of double is :: 64
MINVALUE of double is :: 4.9E-324
MAXVALUE of double is :: 1.7976931348623157E308

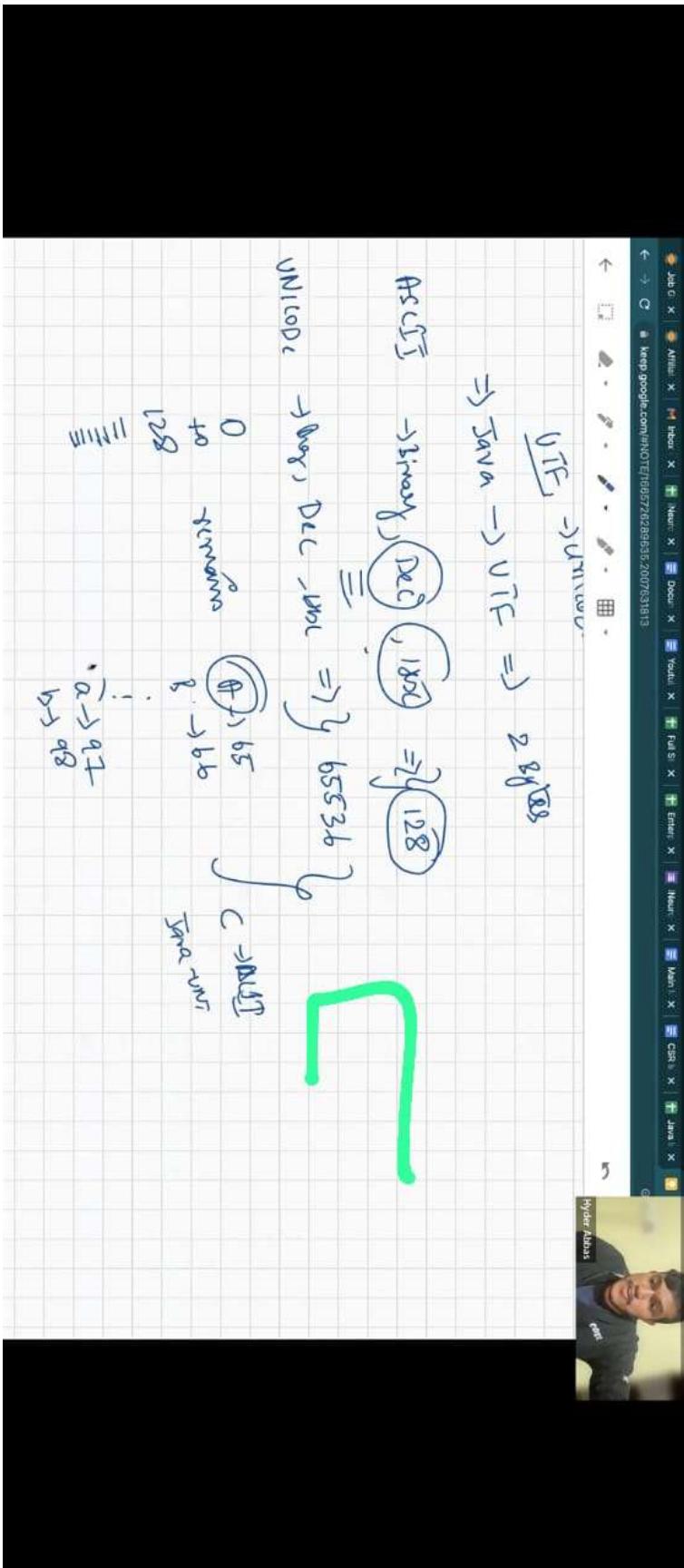
A large green handwritten mark 'D' is drawn over the code editor window.

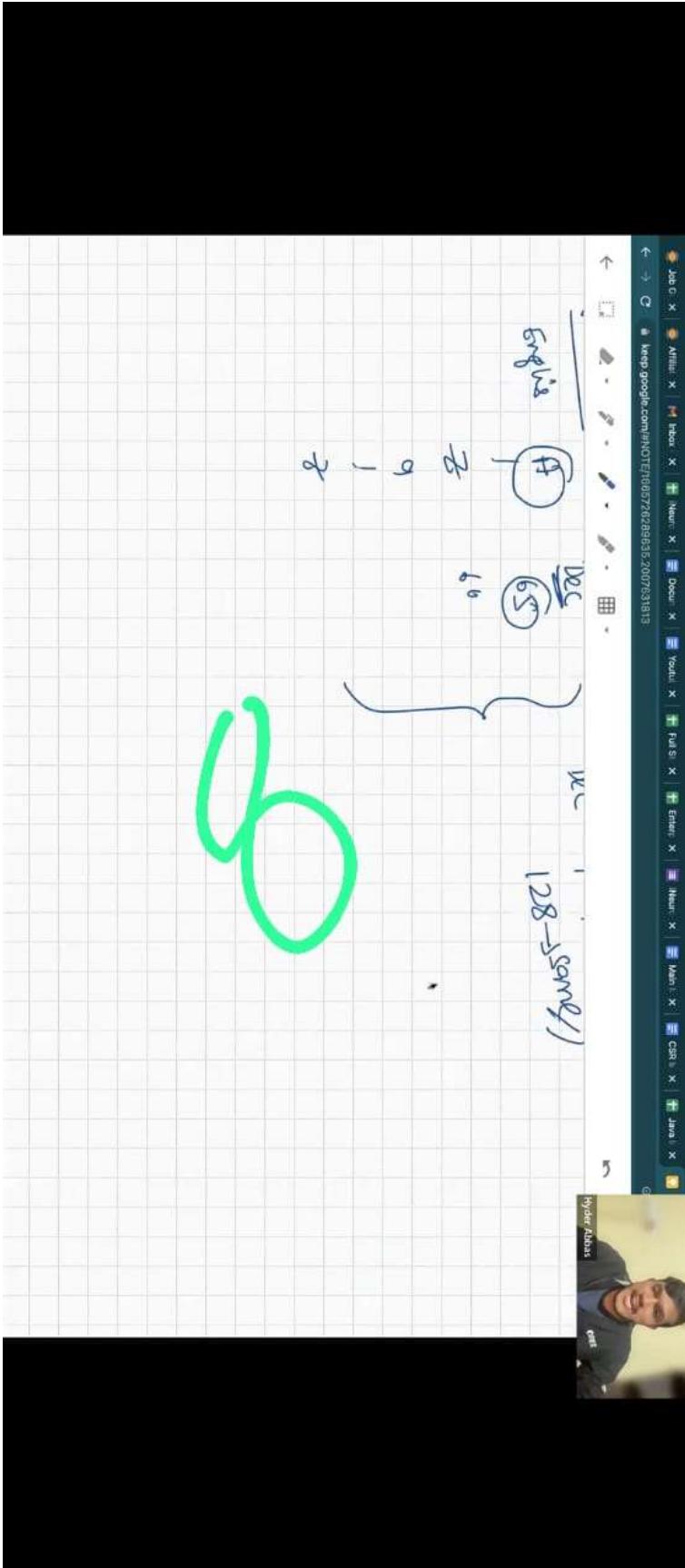
Note: Datatypes are actually represented to the compiler and jvm using reserve words.

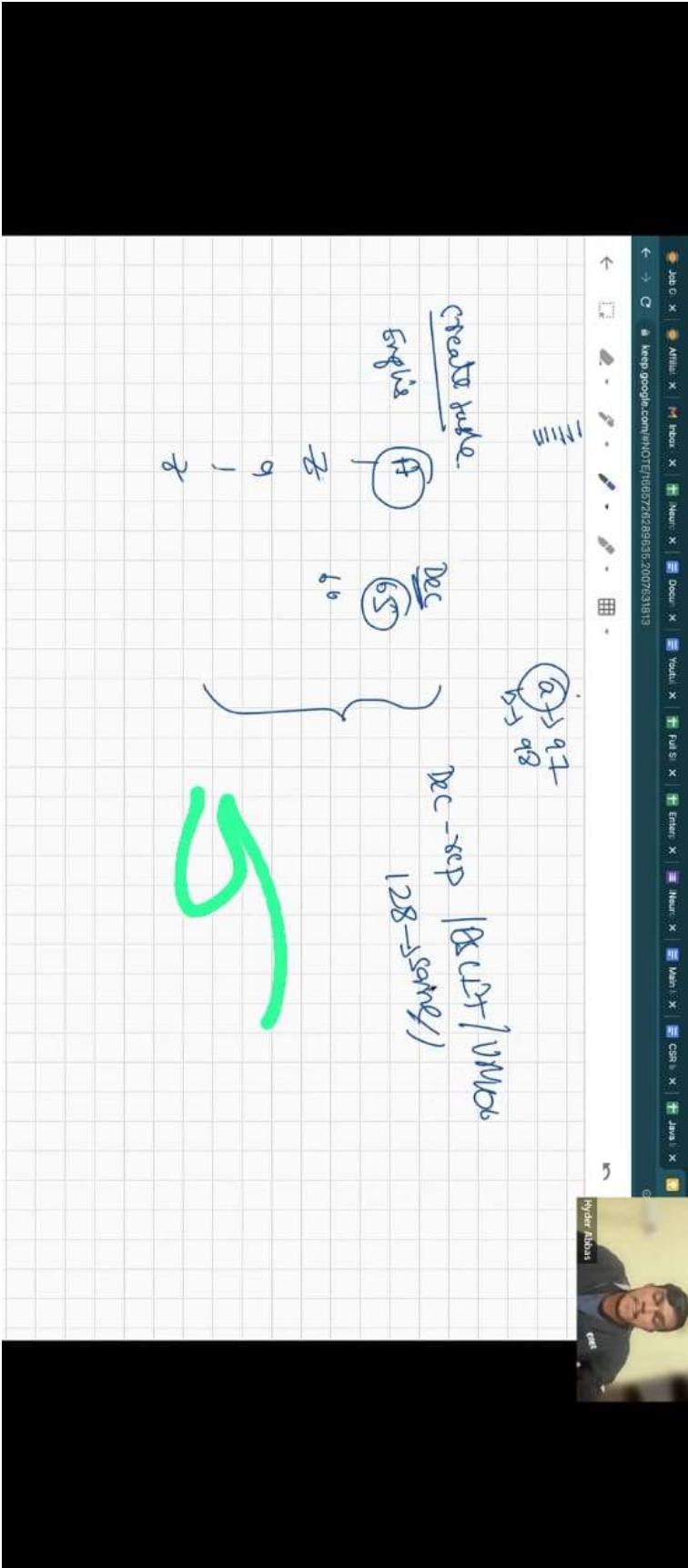


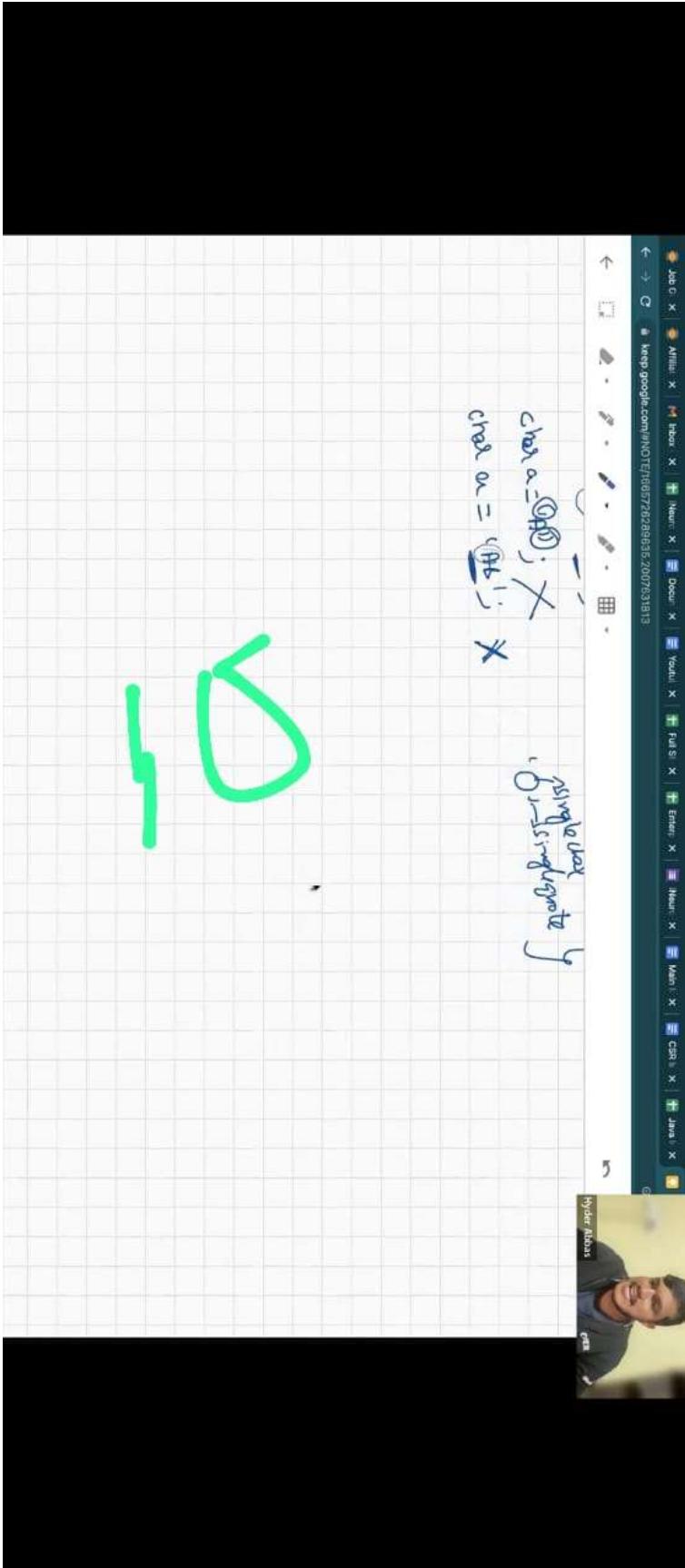


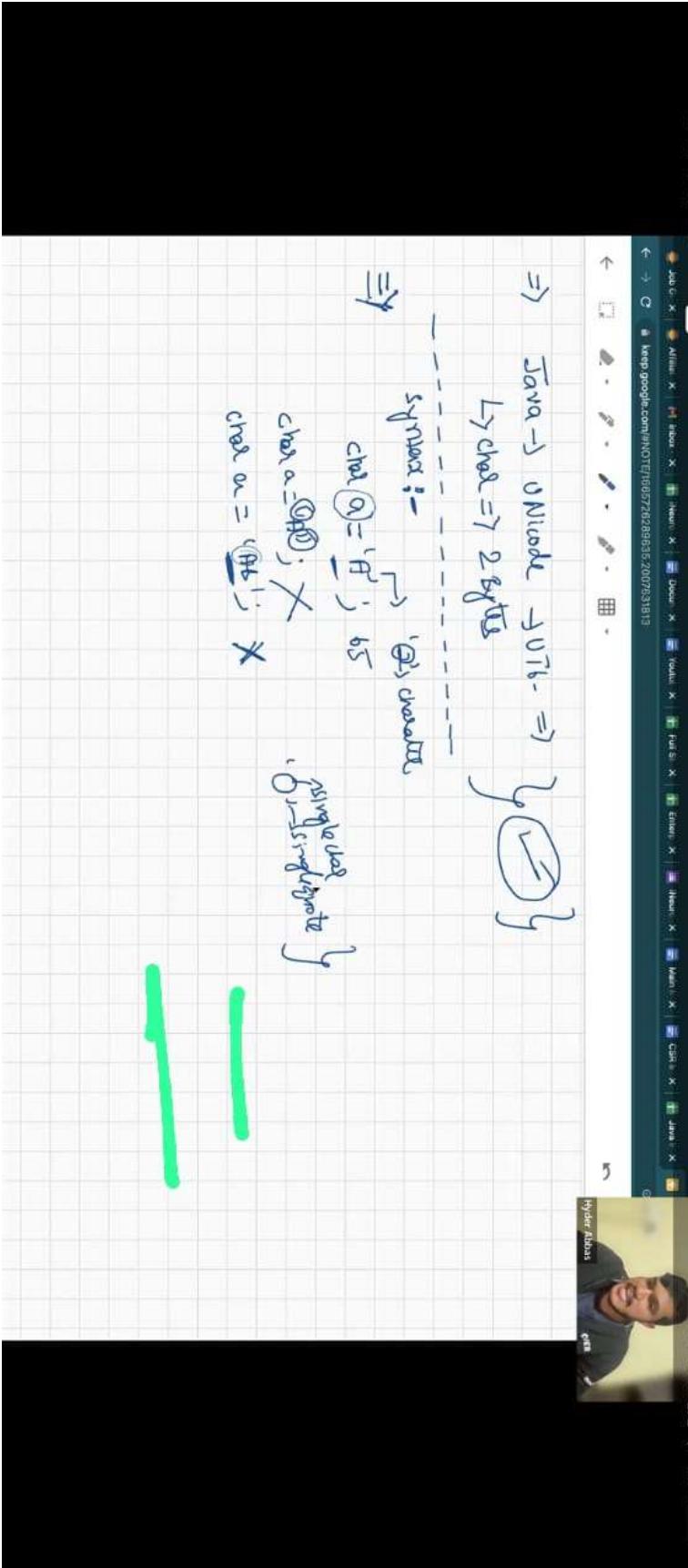


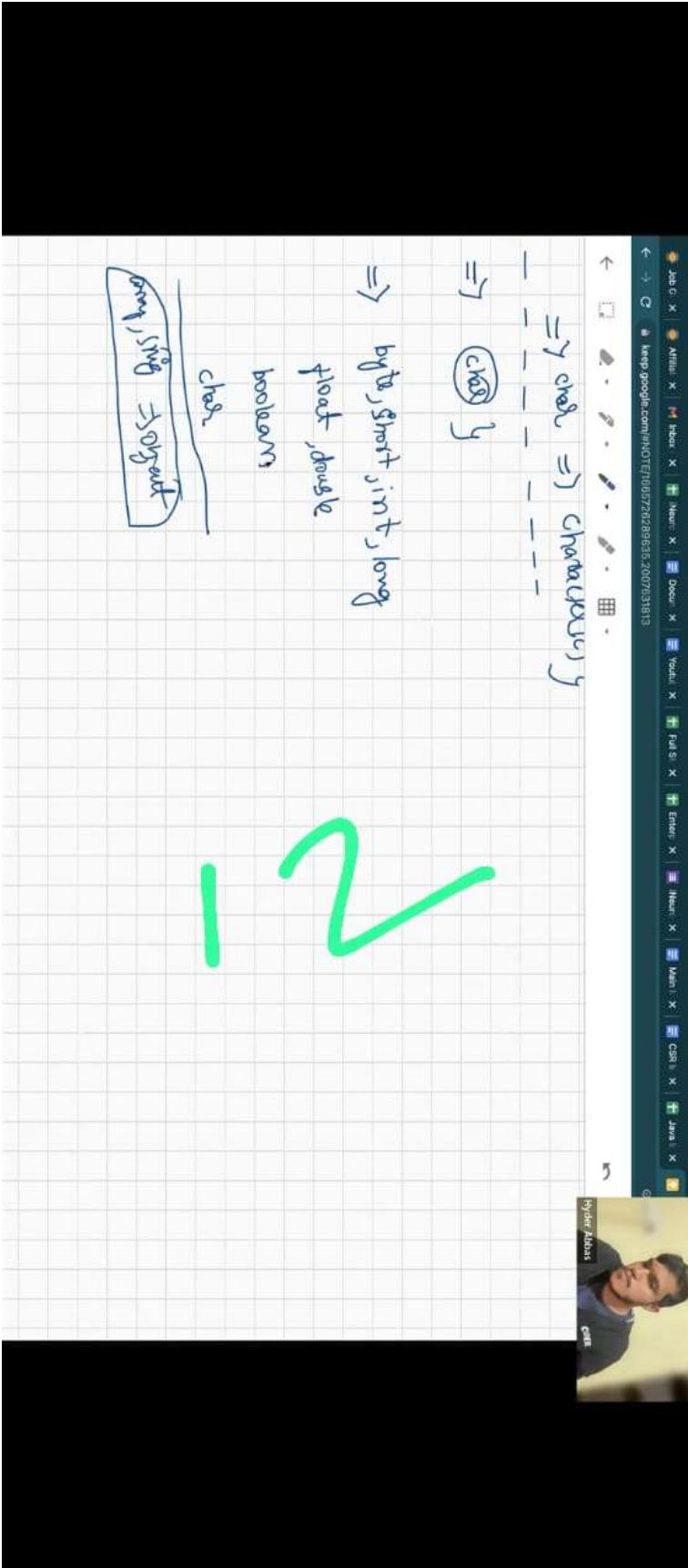


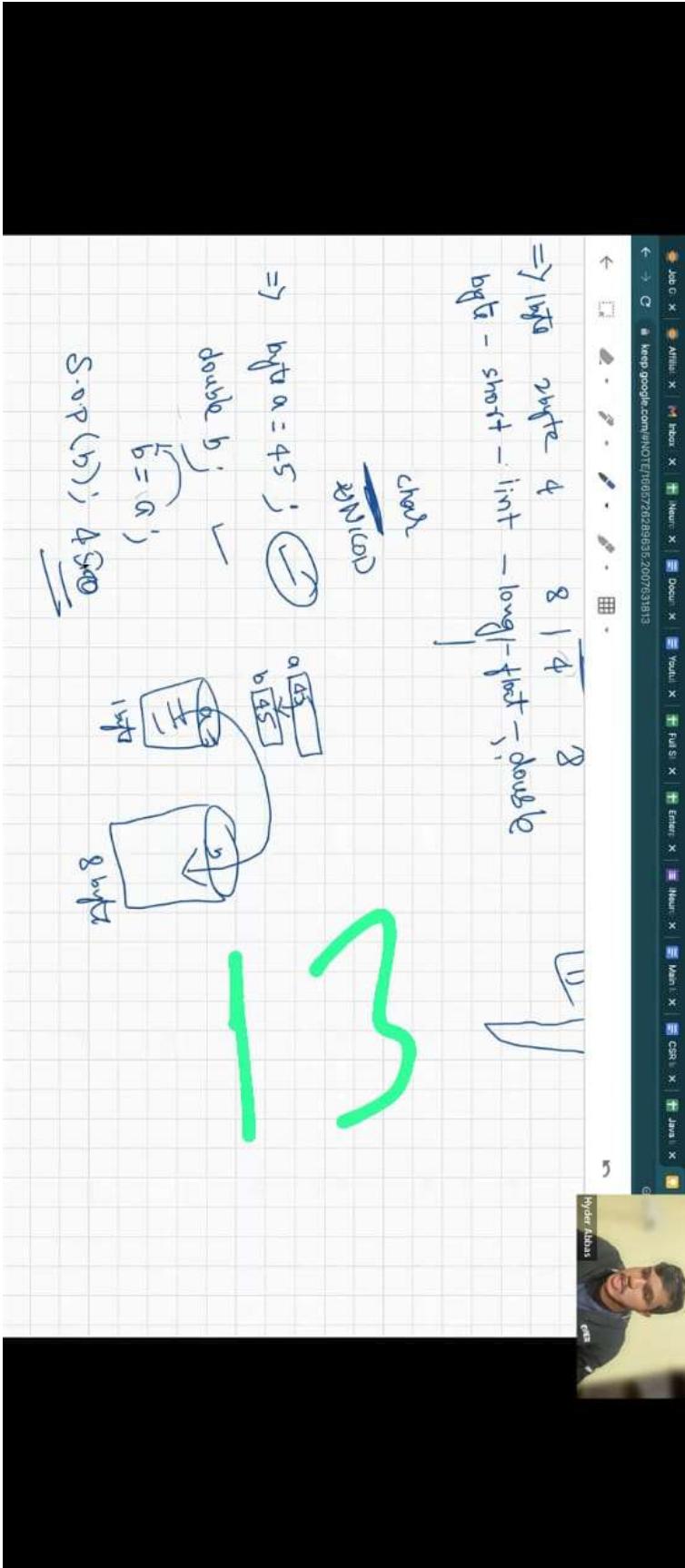


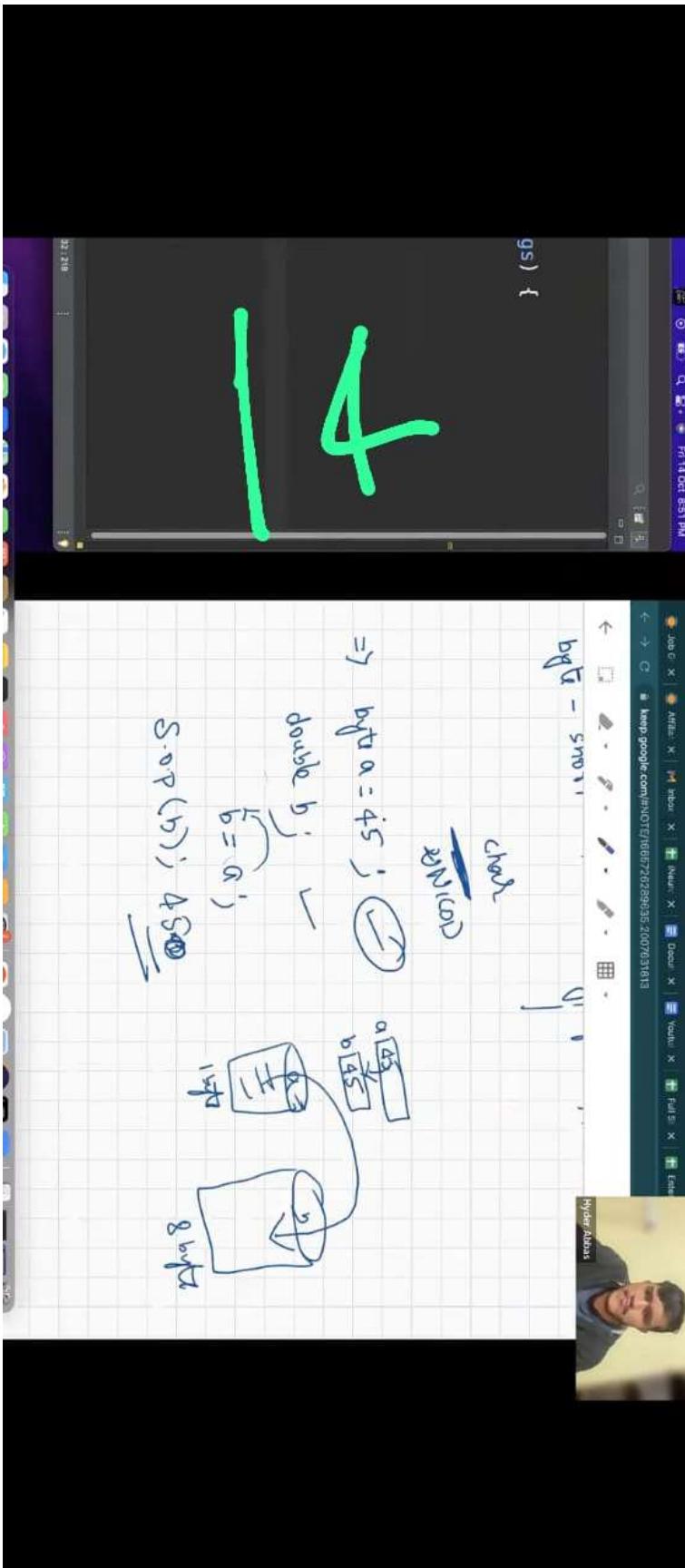








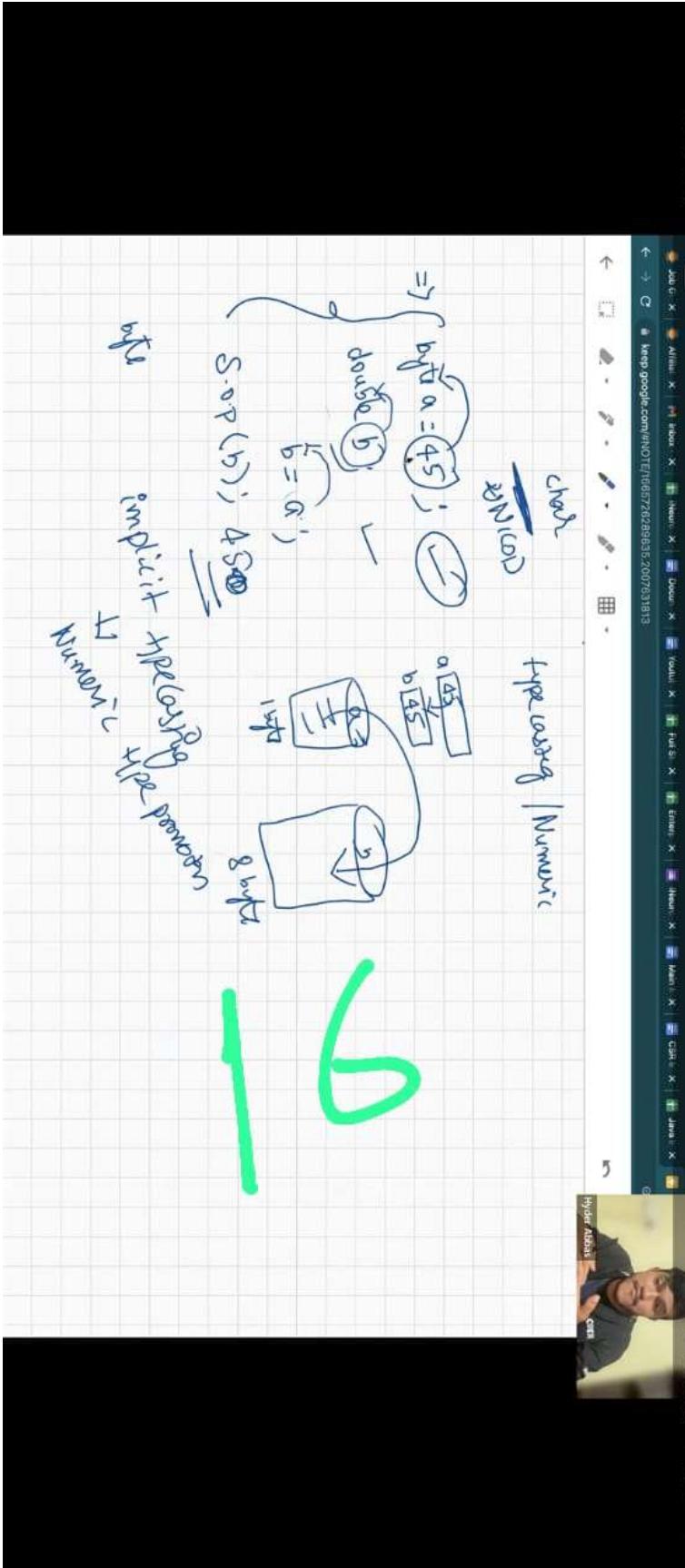




The screenshot shows the Eclipse IDE interface. In the center, there is a code editor window displaying the following Java code:

```
1 public class DataTypes {
2     public static void main(String[] args) {
3         double a=0;
4         double b=0;
5         double c=a/b;
6         //System.out.println(c);
7         byte num1=45;
8         double num2;
9         num2=num1;
10        System.out.println(num2);
11    }
12 }
13
14
15
16
17
18
19
20
21
22
23 }
```

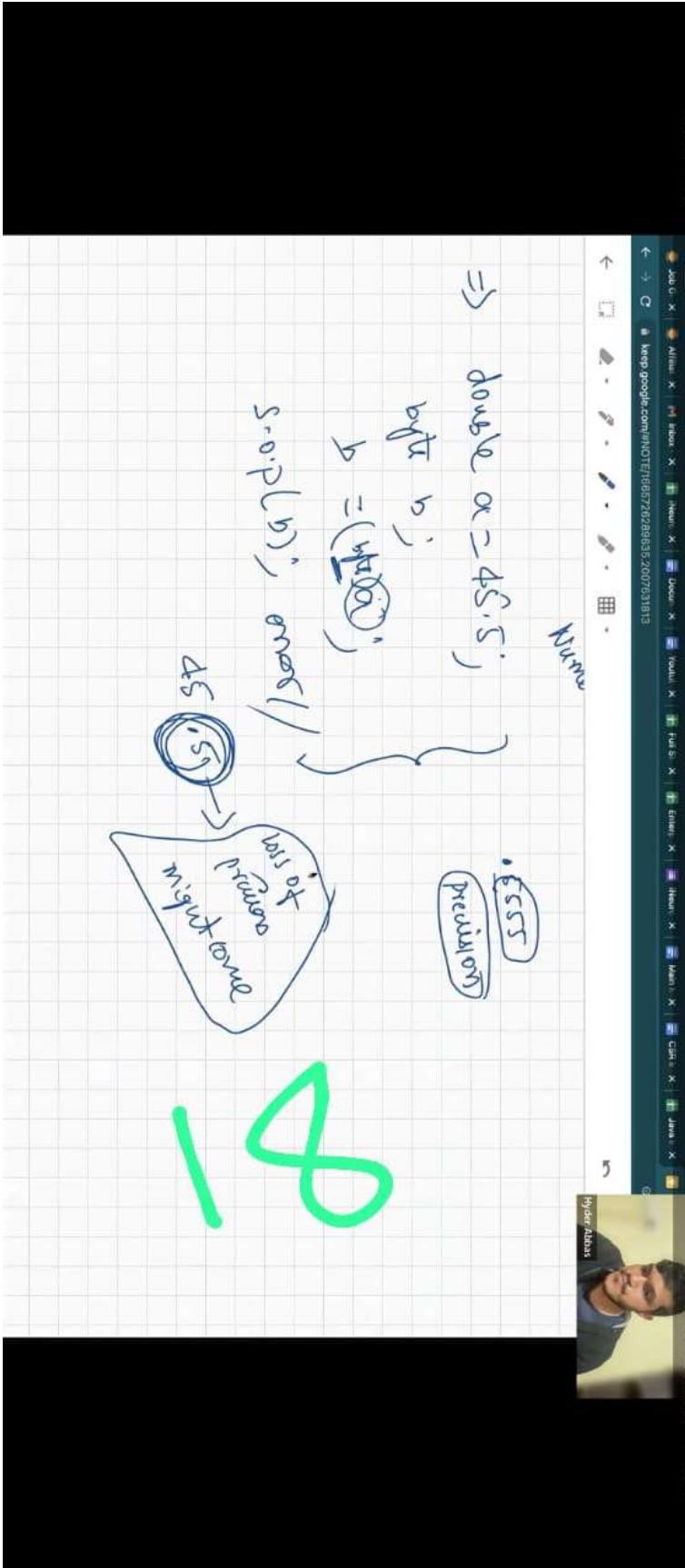
A large green hand-drawn mark, resembling a stylized 'S' or a checkmark, is drawn over the bottom left portion of the code editor. In the top right corner of the code editor, there is a small video player window showing a man's face, likely from a video conference or recording.



The screenshot shows the Eclipse IDE interface. The menu bar includes Eclipse, File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, Help. The toolbar has icons for New, Open, Save, Cut, Copy, Paste, Find, and Replace. The left sidebar displays the Package Explorer with various Java packages and files like 'Quiz', 'Quiz.java', 'QuizTest.java', 'QuizTest2.java', 'QuizTest3.java', 'QuizTest4.java', 'QuizTest5.java', 'QuizTest6.java', 'QuizTest7.java', 'QuizTest8.java', 'QuizTest9.java', 'QuizTest10.java', 'QuizTest11.java', 'QuizTest12.java', 'QuizTest13.java', 'QuizTest14.java', 'QuizTest15.java', 'QuizTest16.java', 'QuizTest17.java', 'QuizTest18.java', 'QuizTest19.java', 'QuizTest20.java', 'QuizTest21.java', 'QuizTest22.java', 'QuizTest23.java', 'QuizTest24.java', 'QuizTest25.java', 'QuizTest26.java', 'QuizTest27.java', 'QuizTest28.java', 'QuizTest29.java'. The central workspace shows Java code:

```
7 double b=0;
8 double c=a/b;
9 //System.out.println(c);
10 byte num1=45;
11 double num2;
12 num2=num1;
13
14 //System.out.println(num2);
15
16 double d=45.5;
17 byte e;
18
19 e=(byte) d;
20 System.out.println(e);
21
22
23
24
25
26
27
28 }
29
```

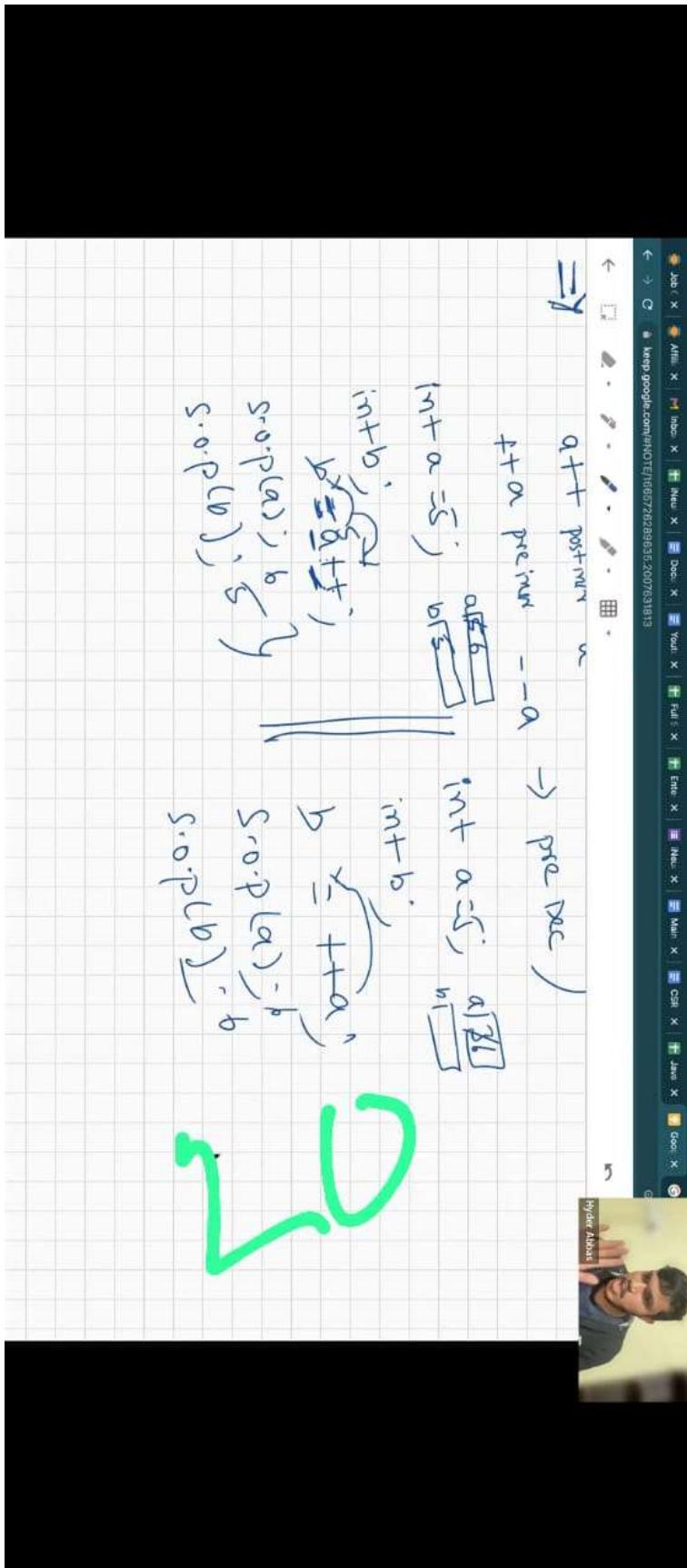
A large green hand-drawn mark resembling the number 7 is overlaid on the code area. In the bottom right corner of the code window, there is a small video thumbnail of a person speaking, with the text 'Hy der Abas'.

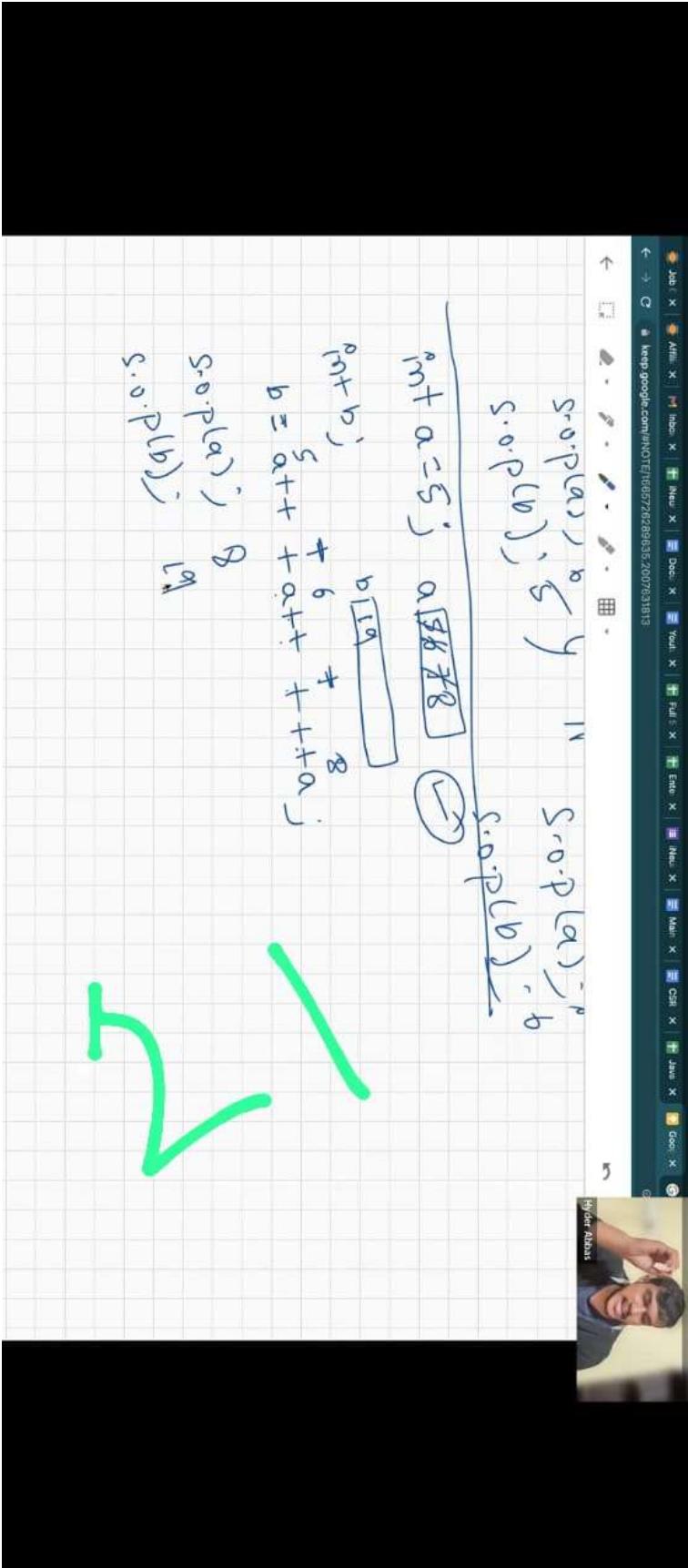


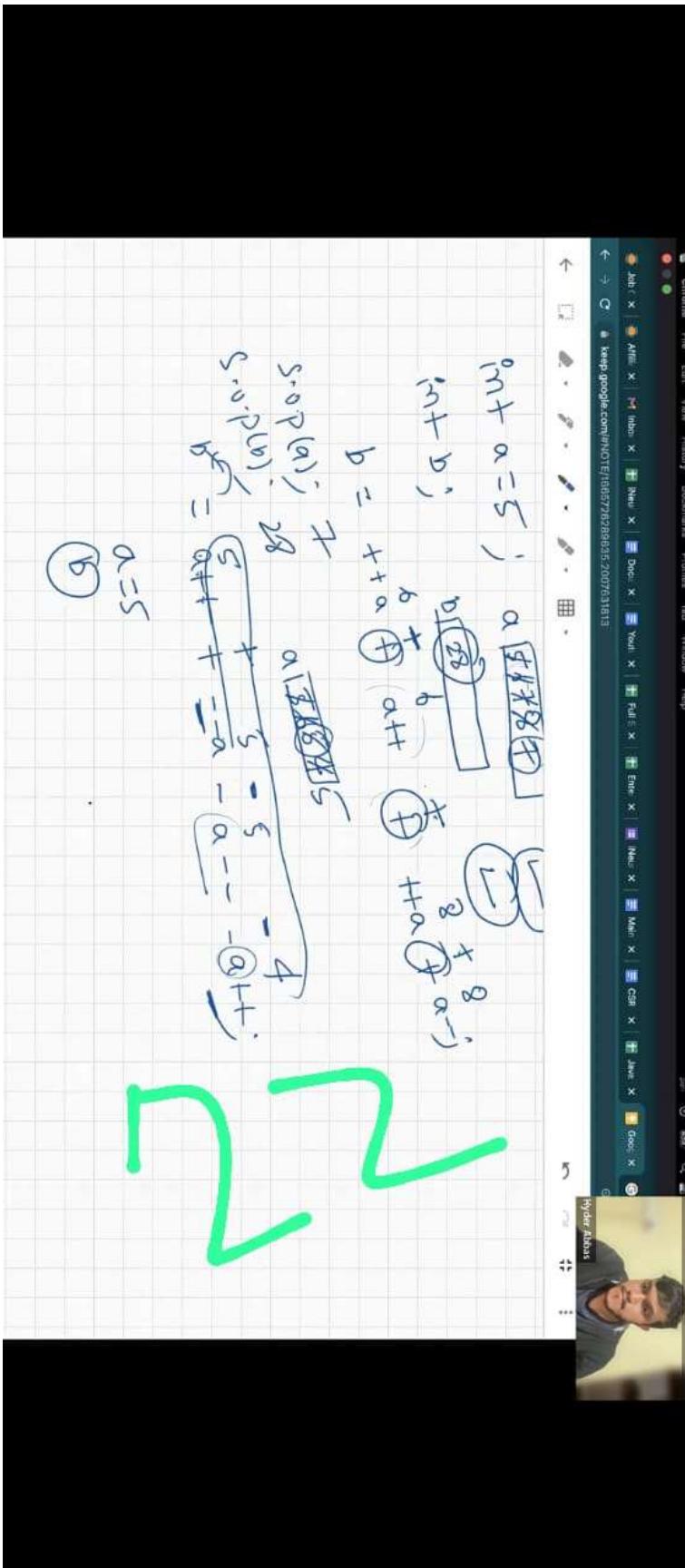
The screenshot shows the Eclipse IDE interface. On the left, there's a package explorer window listing various Java packages and files. In the center, a code editor displays the following Java code:

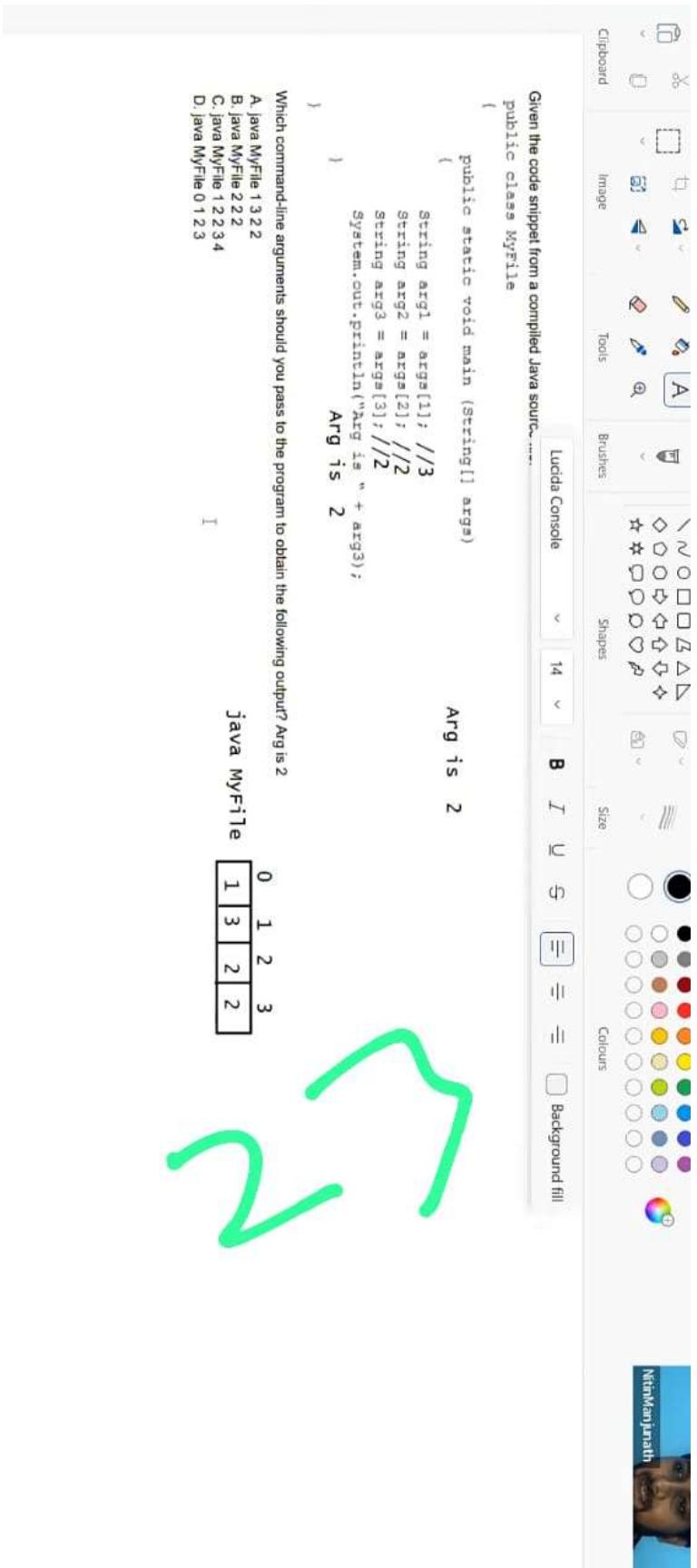
```
13 num2=num1;
14 //System.out.println(num2);
15
16 double d=45.5;
17
18 byte e;
19
20 e=(byte) d;
21 System.out.println(e);
22
23
24 byte ab=10;
25 byte ac=20;
26 int result = ab*ac;
27 System.out.println(result);
28
29
30
31
32
33
34 }
35 }
```

A large green hand-drawn mark, resembling a stylized '9' or a checkmark, is drawn over the bottom-left portion of the code editor area. In the bottom right corner of the screen, there is a small video player window showing a man speaking.









Given the code snippet from a compiled Java source.....

```
public class Myfile
{
    public static void main (String[] args)
    {
        String arg1 = args[1]; //3
        String arg2 = args[2]; //2
        String arg3 = args[3]; //2
        System.out.println("Arg is " + arg3);
    }
}
```

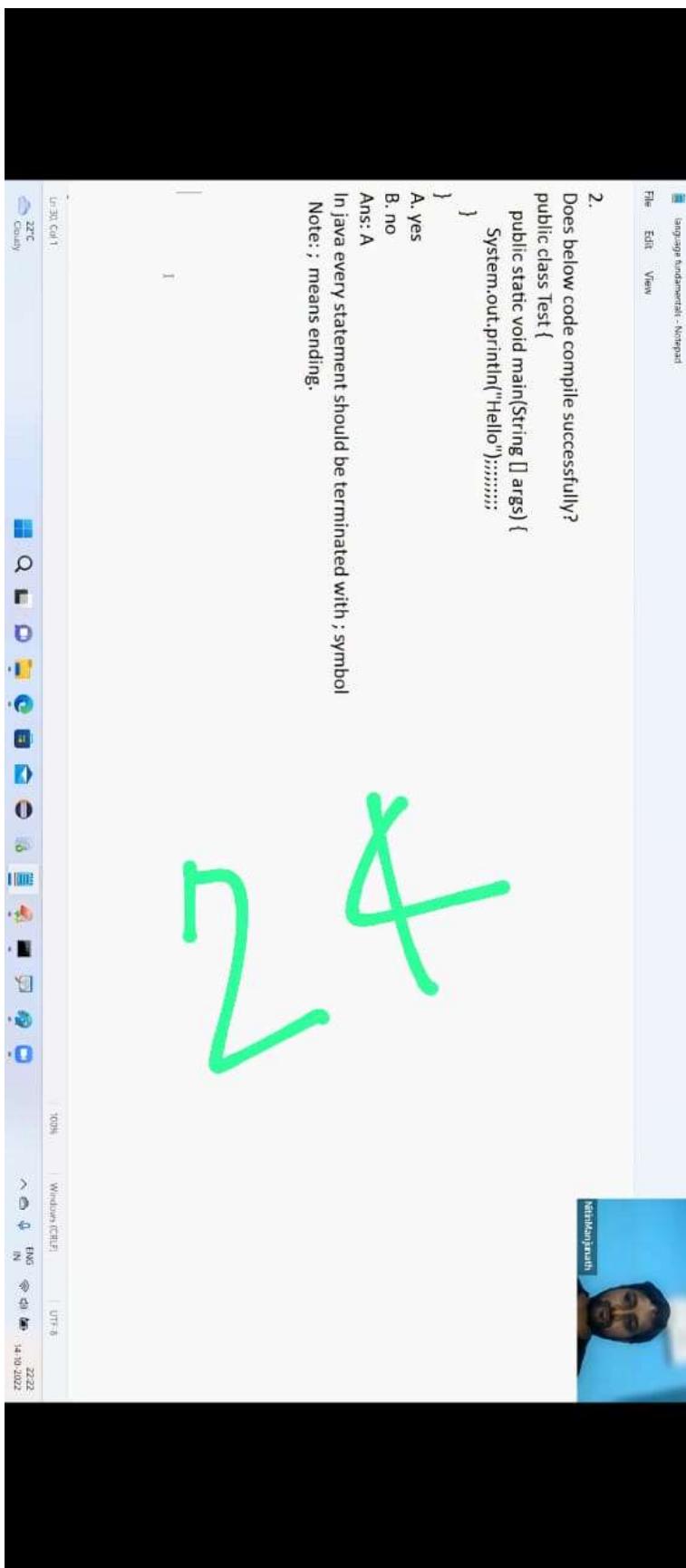
Which command-line arguments should you pass to the program to obtain the following output? Arg is 2

- A. java Myfile 1 3 2 2
- B. java Myfile 2 2 2
- C. java Myfile 1 2 2 3 4
- D. java Myfile 0 1 2 3

java Myfile

0	1	2	3
1	3	2	2

Arg is 2



4.
What will be the result of compiling and executing Test class?
java Test good morning everyone

Un 41 Col 1
Cloudy 22°C

25

3.
What is the signature of special main method?
A. public static void main(String args) //[] is missing
B. public static void main(String[] a) //correct
C. public static void main()//missing String[] args
D. private static void main(String[] args)// private can't be for a main method

In java every statement should be terminated with ; symbol
Note: ; means ending.

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Ans: A



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File Edit View

D. private static void main(String[] args)// private can't be for a main method

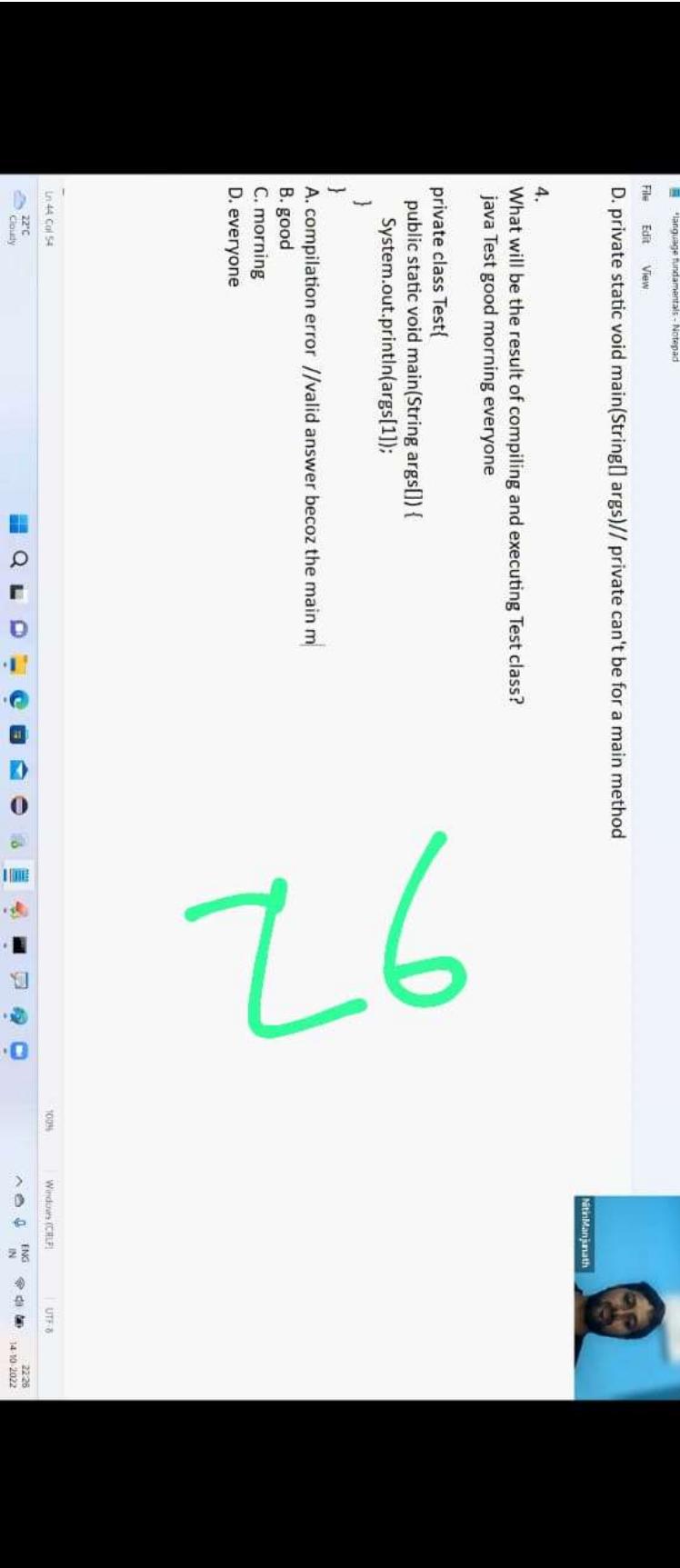
4.

What will be the result of compiling and executing Test class?

```
java Test good morning everyone
```

```
private class Test{  
    public static void main(String args[]){  
        System.out.println(args[1]);  
    }  
}  
A. compilation error //valid answer becoz the main m
```

26



Line 44 Col 54

100% Windows (CET) | UTF-8

22°C Cloudy

EN IN 14:10 22:26 14.10.2022

language fundamentals - Notepad

File Edit View

D. everyone

5.

For the class Test, which options, if used to replace /*INSERT*/, will print "Hurrah! I passed..." on to the console? Select 2 options.

```
public class Test {  
    /*INSERT*/{  
        System.out.println("Hurrah! I passed...");  
    }  
}
```

A. static public void main(String[] args) //static and public can be interchanged so valid
B. public static void main(String[] a)/valid
C. static public void Main(String[] args)
D. public void main(String[] args)
E. protected static void main(String[] args)
F. public void static main(String[] args)

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language fundamentals - Notepad

File Edit View

A. static public void main(String[] args) // static and public can be interchanged so valid
B. public static void main(String[] a)//valid
C. static public void Main(String[] args)
D. public void main(String[] args)
E. protected static void main(String[] args)
F. public void static main(String[] args)//here static and void is interchanged is not possible

6.

Suppose you have created a java file, "MyClass.java".
Which of the following commands will compile the java file?

A. javac MyClass //invalid becoz java is missing
B. java MyClass //javac is command is used for compilation
C. javac MyClass.class //invalid becoz java is missing
D. javac MyClass.java //valid
E. java MyClass.java //javac is the command for compilation and java is command for execution

Q D E C A B N M P F G H I J K L

100% Windows (CEP) UTF-8

22:55 Cloudy

14.10.2022

File Edit View

Which of the following commands will compile the java file?

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- B. java MyClass //javac is command is used for compilation
- C. javac MyClass.class //invalid becoz .java is missing
- D. javac MyClass.java //valid
- E. java MyClass.java //javac is the command for compilation and java is command for execution

```
byte a =10;
int b = a;
```

10 is considered as int by compiler, but datatype specified is byte
compiler will check can 10 be stored inside byte range or not
if possible as byte only it will stored otherwise it results in CE: possible loss of prcession

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```
*14.10.2022.class_name - Notepad
```

File Edit View

Which of the following commands will compile the Java file?

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- D. javac MyClass.java //valid
- E. java MyClass.java //javac is the command for compilation and java is command for execution

```
byte a=10;
int b = a;
```

int a=10;
byte b=a;/Ce: possible loss of precession

10 is considered as int by compiler;but datatype specified is byte
compiler will check can 10 be stored inside byte range or not
if possible as byte only it will stored otherwise it results in CE: possible loss of prcession

Ln 143 Col 2 100% Windows [UTF-8] UTF-8

22°C Cloudy

Q D E F G H I J K L M N P