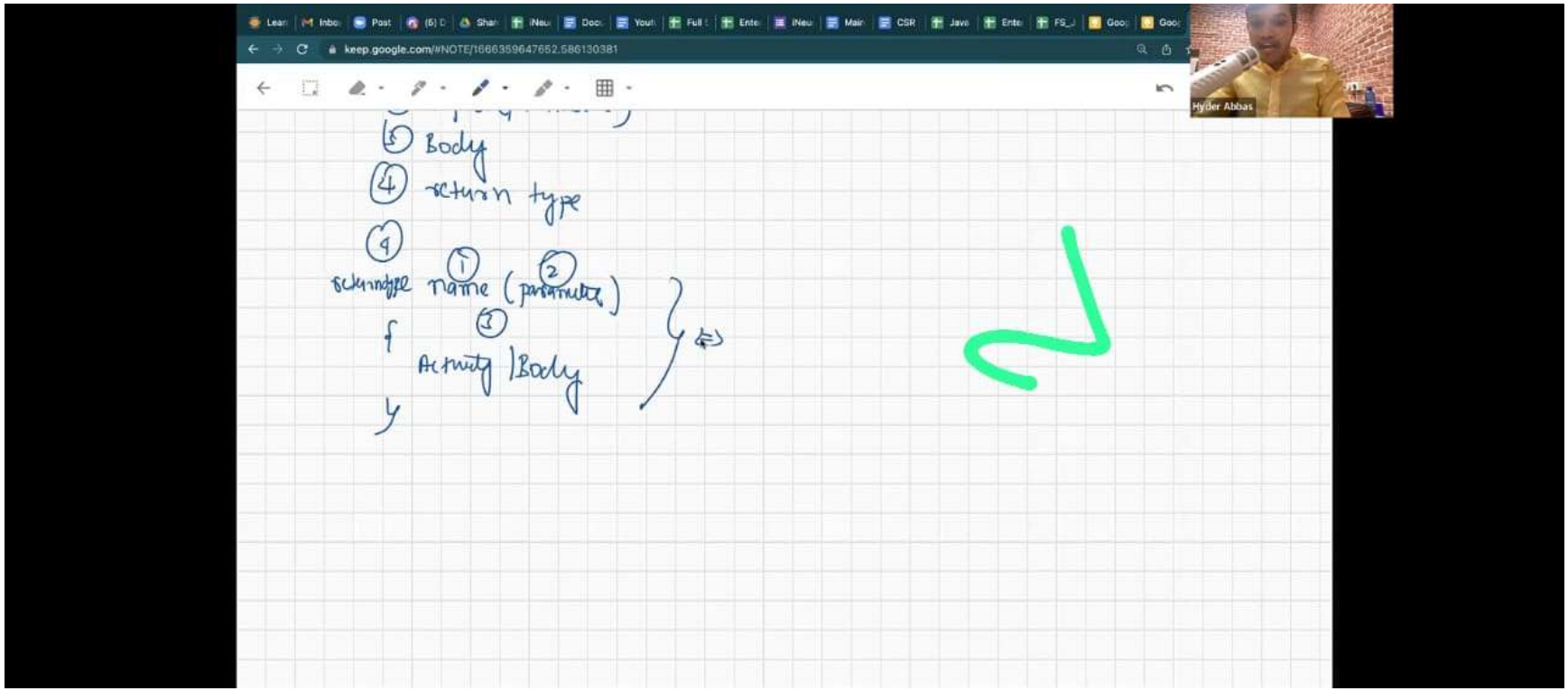
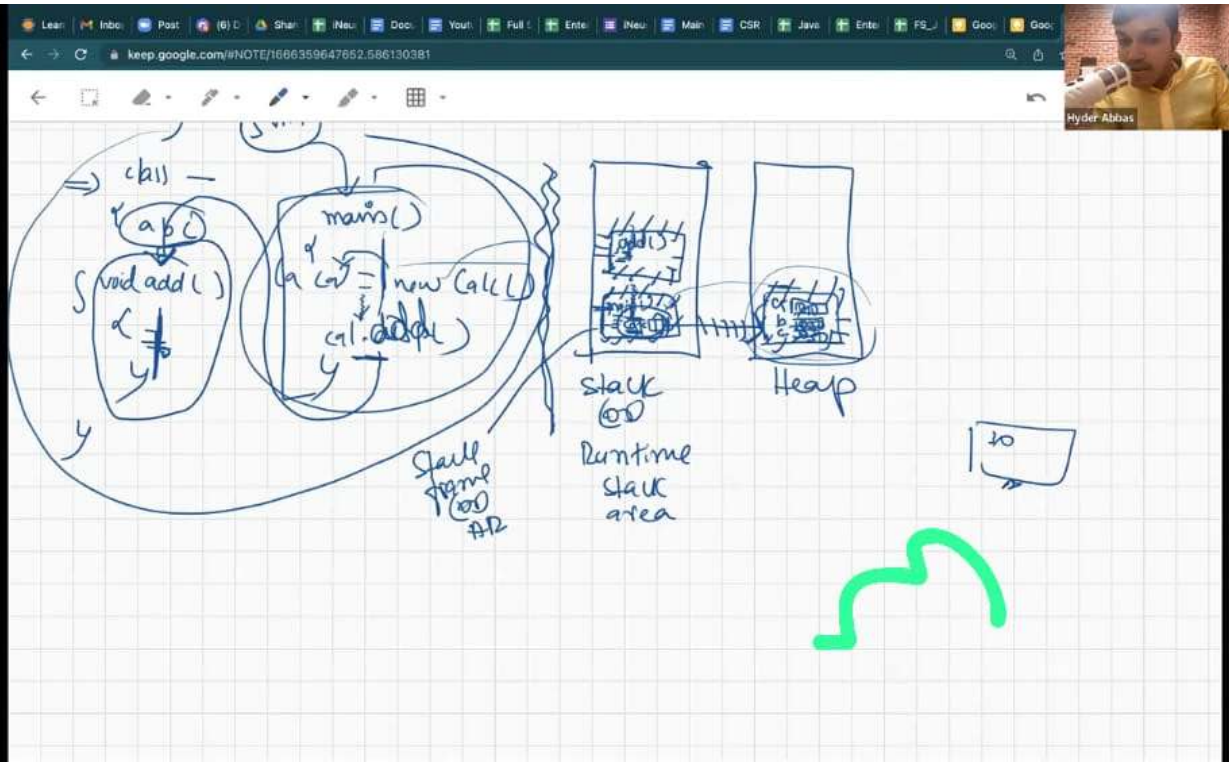
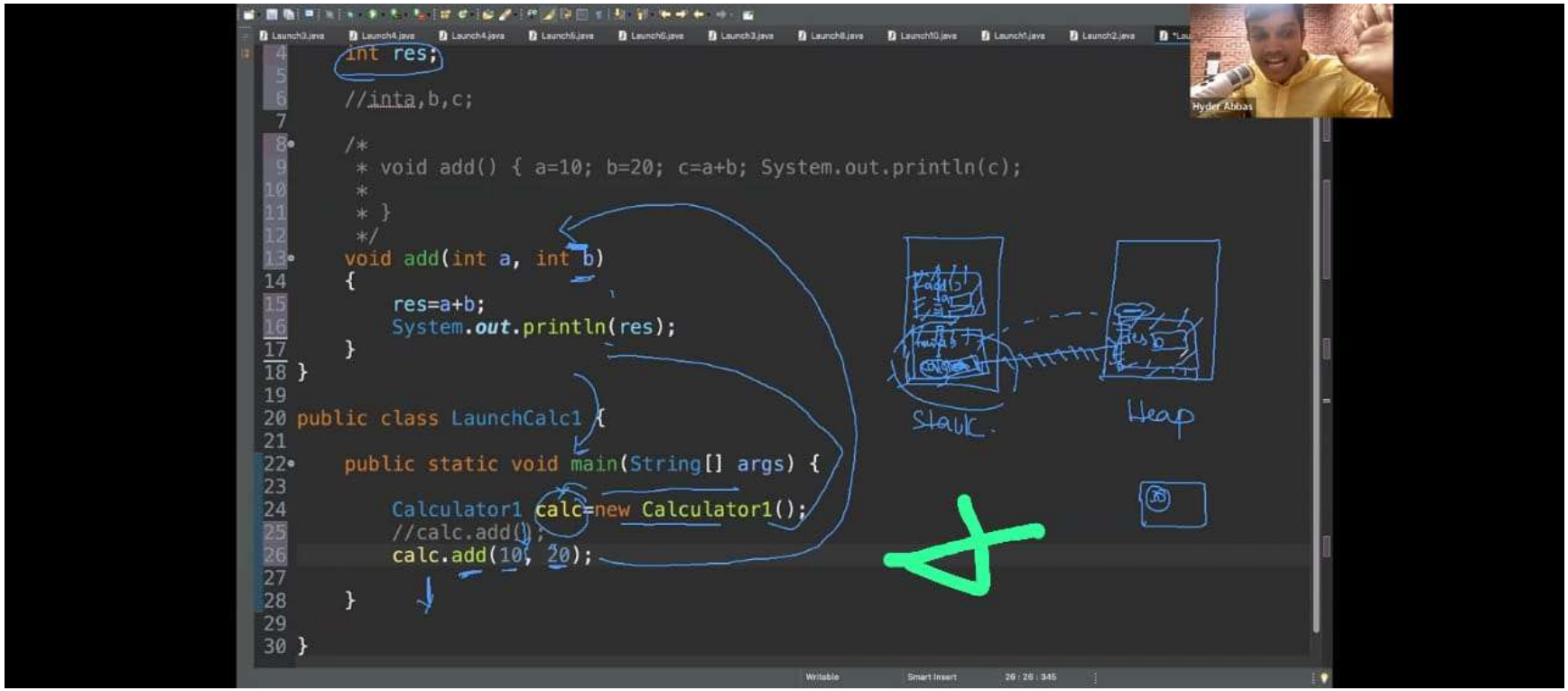
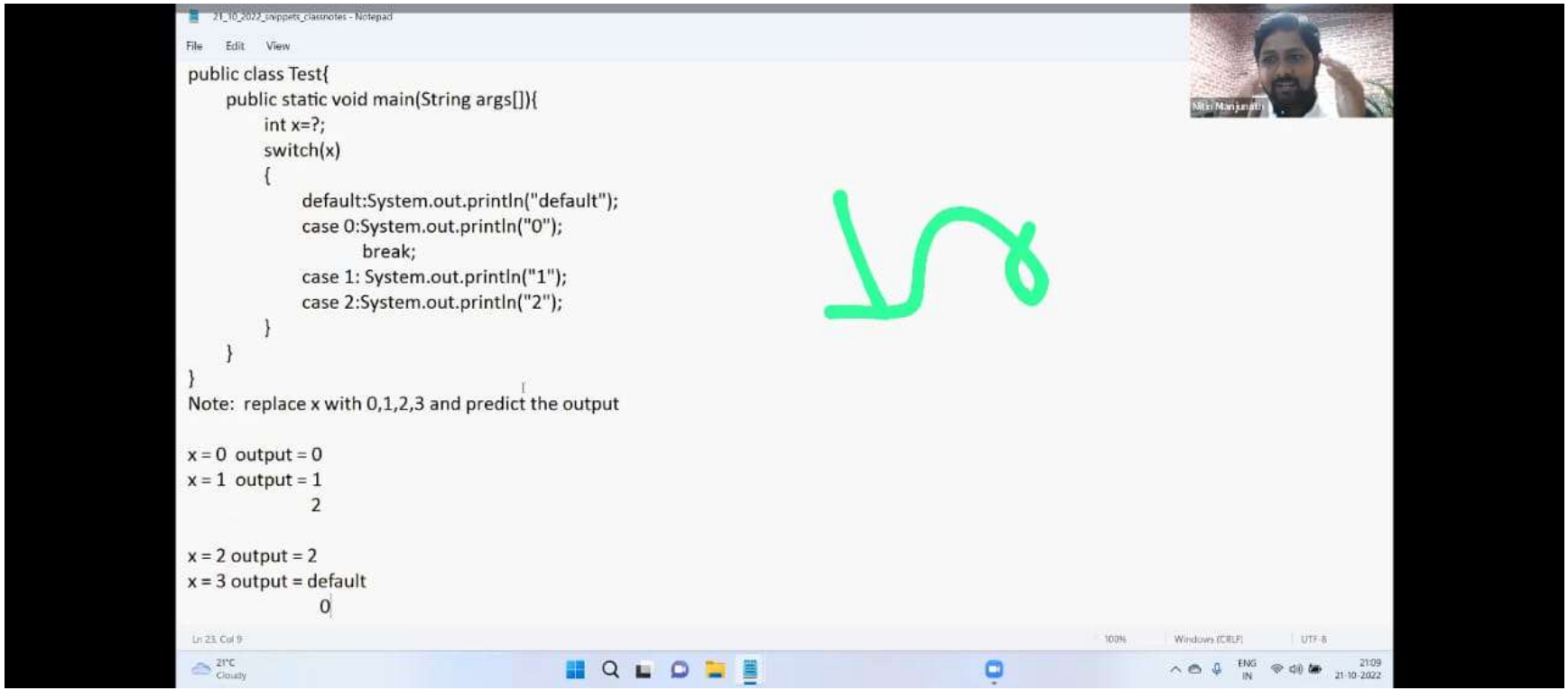
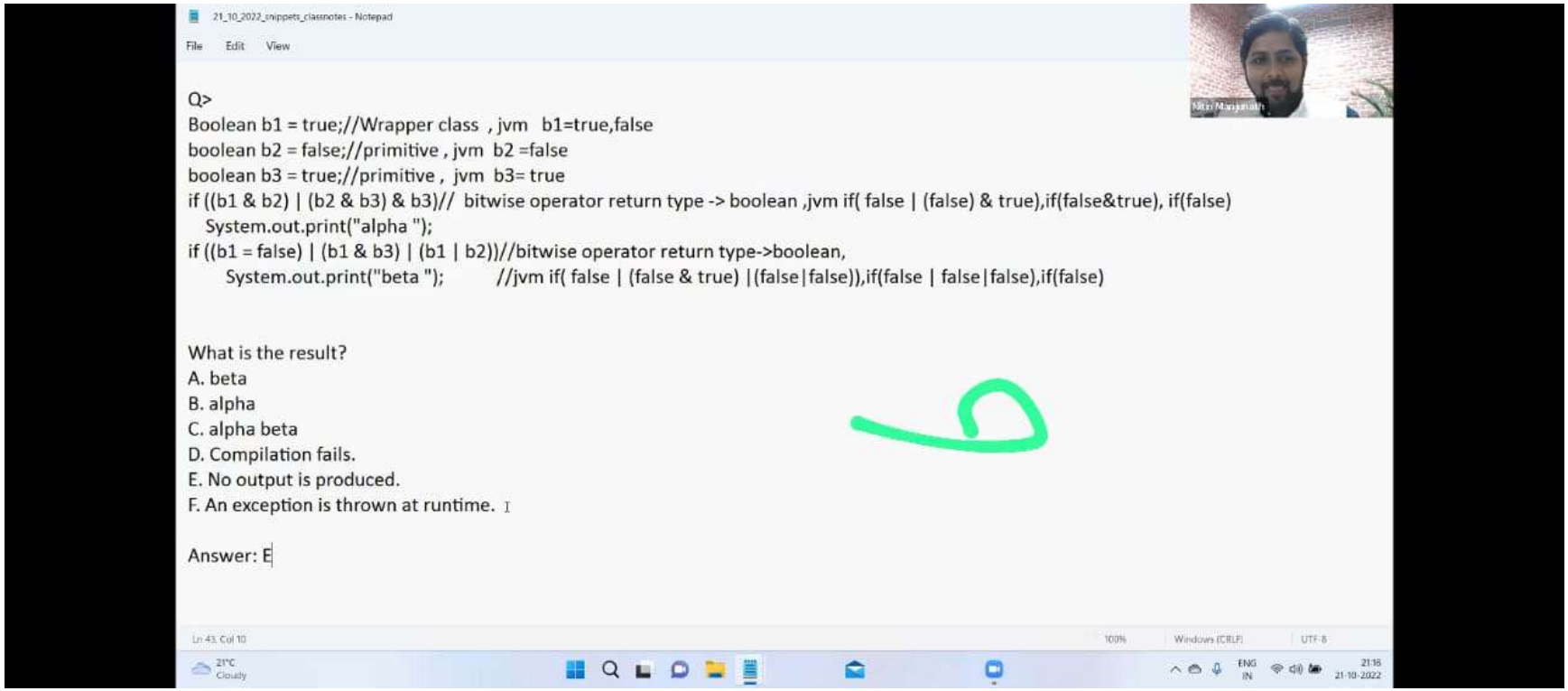
Methods In Java

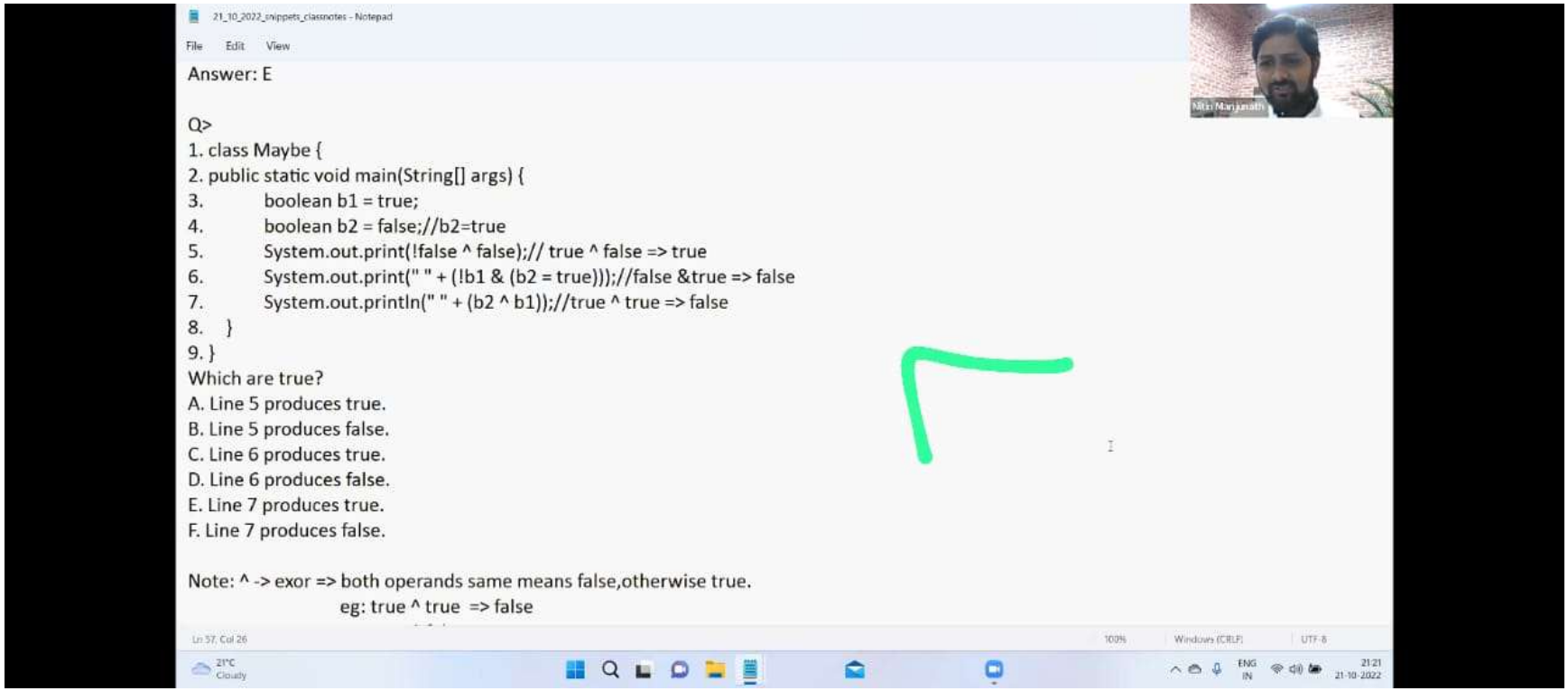

keep.google.com/#NOTE/1666359647652.586130381
Hyder Abbas
5 Body
4 return type
3
returntype name (2 parameters) 1
{
Activity /Body
}

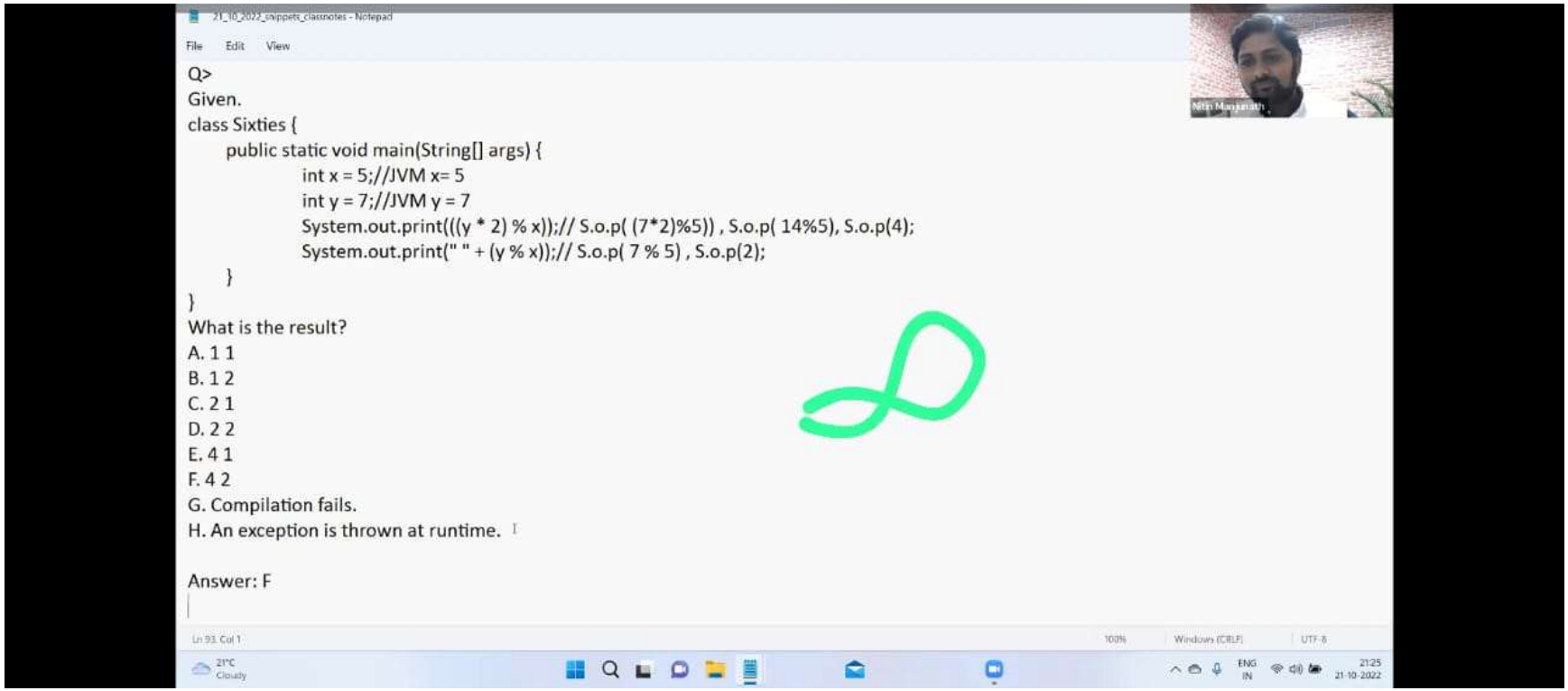

keep.google.com/#NOTE/1666359647652.586130381
Hyder Abbas
call
ab()
void add()
main()
new Call()
c1.add()
stack
Heap
Runtime stack area
stack frame @100 AR
10

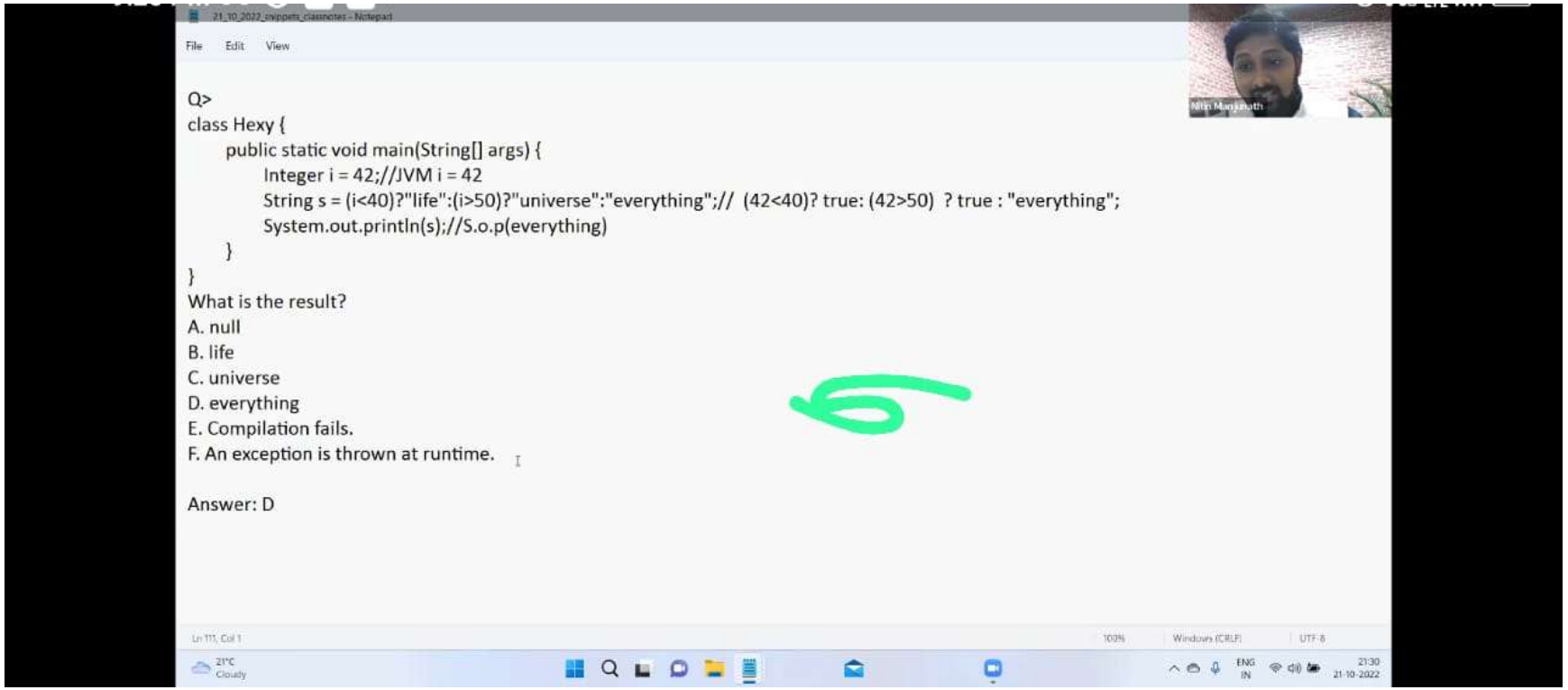

int res;
//inta,b,c;
/*
* void add() { a=10; b=20; c=a+b; System.out.println(c);
*
* }
*/
void add(int a, int b)
{
res=a+b;
System.out.println(res);
}
}
public class LaunchCalc1 {
public static void main(String[] args) {
Calculator1 calc=new Calculator1();
//calc.add();
calc.add(10, 20);
}
}
Hyder Abbas
Stack
Heap

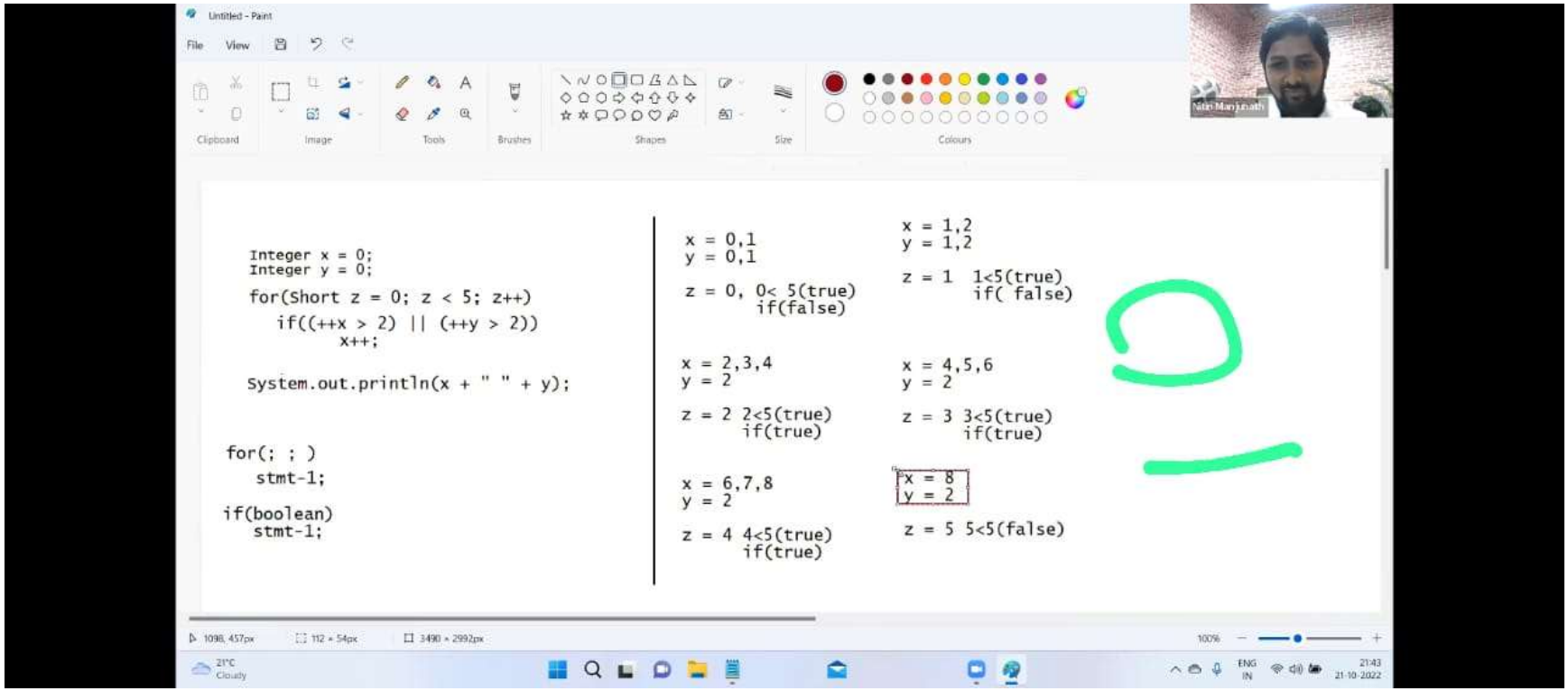

21_10_2022_snippets_classnotes - Notepad
File Edit View
public class Test{
public static void main(String args[]){
int x=?;
switch(x)
{
default:System.out.println("default");
case 0:System.out.println("0");
break;
case 1: System.out.println("1");
case 2:System.out.println("2");
}
}
}
Note: replace x with 0,1,2,3 and predict the output
x = 0 output = 0
x = 1 output = 1
2
x = 2 output = 2
x = 3 output = default
0
Ln 23, Col 9
100%
Windows (CRLF)
UTF-8
21°C
Cloudy
ENG
IN
21:09
21-10-2022

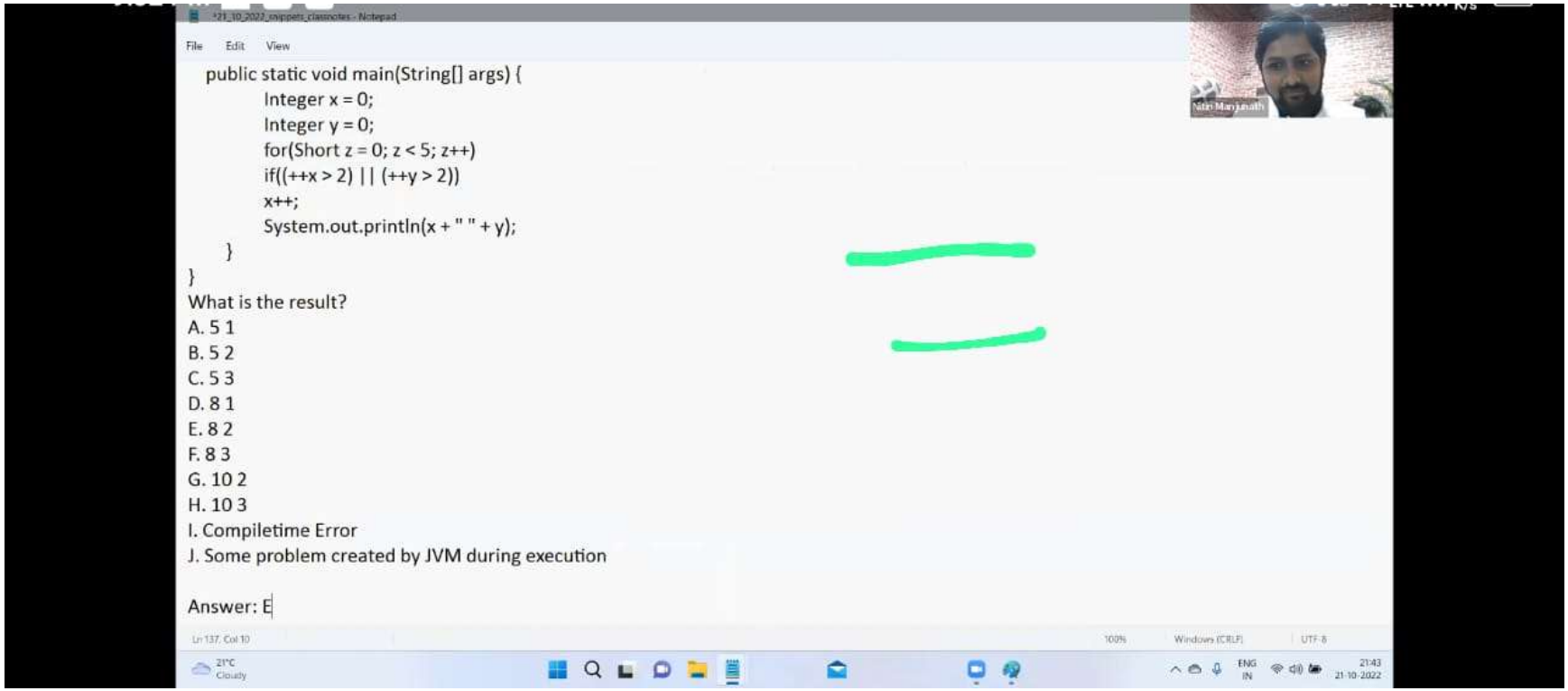

21_10_2022_snippets_classnotes - Notepad
File Edit View
Q>
Boolean b1 = true;//Wrapper class , jvm b1=true,false
boolean b2 = false;//primitive , jvm b2 =false
boolean b3 = true;//primitive , jvm b3= true
if ((b1 & b2) | (b2 & b3) & b3)// bitwise operator return type -> boolean ,jvm if(false | (false) & true),if(false&true), if(false)
System.out.print("alpha ");
if ((b1 = false) | (b1 & b3) | (b1 | b2))//bitwise operator return type->boolean,
System.out.print("beta "); //jvm if(false | (false & true) |(false|false)),if(false | false|false),if(false)
What is the result?
A. beta
B. alpha
C. alpha beta
D. Compilation fails.
E. No output is produced.
F. An exception is thrown at runtime.
Answer: E
Ln 43, Col 10
100%
Windows (CRLF)
UTF-8
21°C
Cloudy
ENG
IN
21:16
21-10-2022

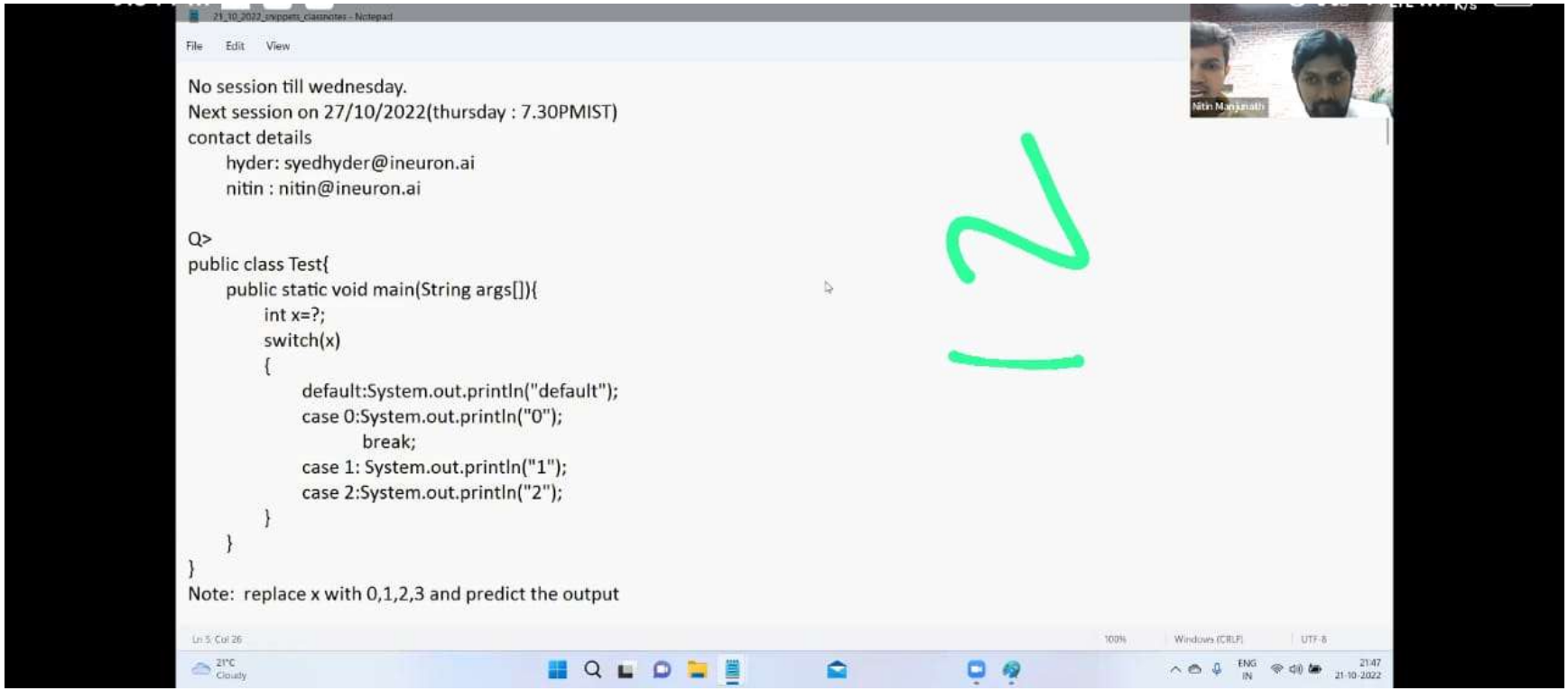

21_10_2022_snippets_classnotes - Notepad
File Edit View
Answer: E
Q>
1. class Maybe {
2. public static void main(String[] args) {
3. boolean b1 = true;
4. boolean b2 = false;//b2=true
5. System.out.print(!false ^ false);// true ^ false => true
6. System.out.print(" " + (!b1 & (b2 = true)));//false &true => false
7. System.out.println(" " + (b2 ^ b1));//true ^ true => false
8. }
9. }
Which are true?
A. Line 5 produces true.
B. Line 5 produces false.
C. Line 6 produces true.
D. Line 6 produces false.
E. Line 7 produces true.
F. Line 7 produces false.
Note: ^ -> exor => both operands same means false,otherwise true.
eg: true ^ true => false
Ln 57, Col 26
100%
Windows (CRLF)
UTF-8
21°C
Cloudy
ENG
IN
21:21
21-10-2022

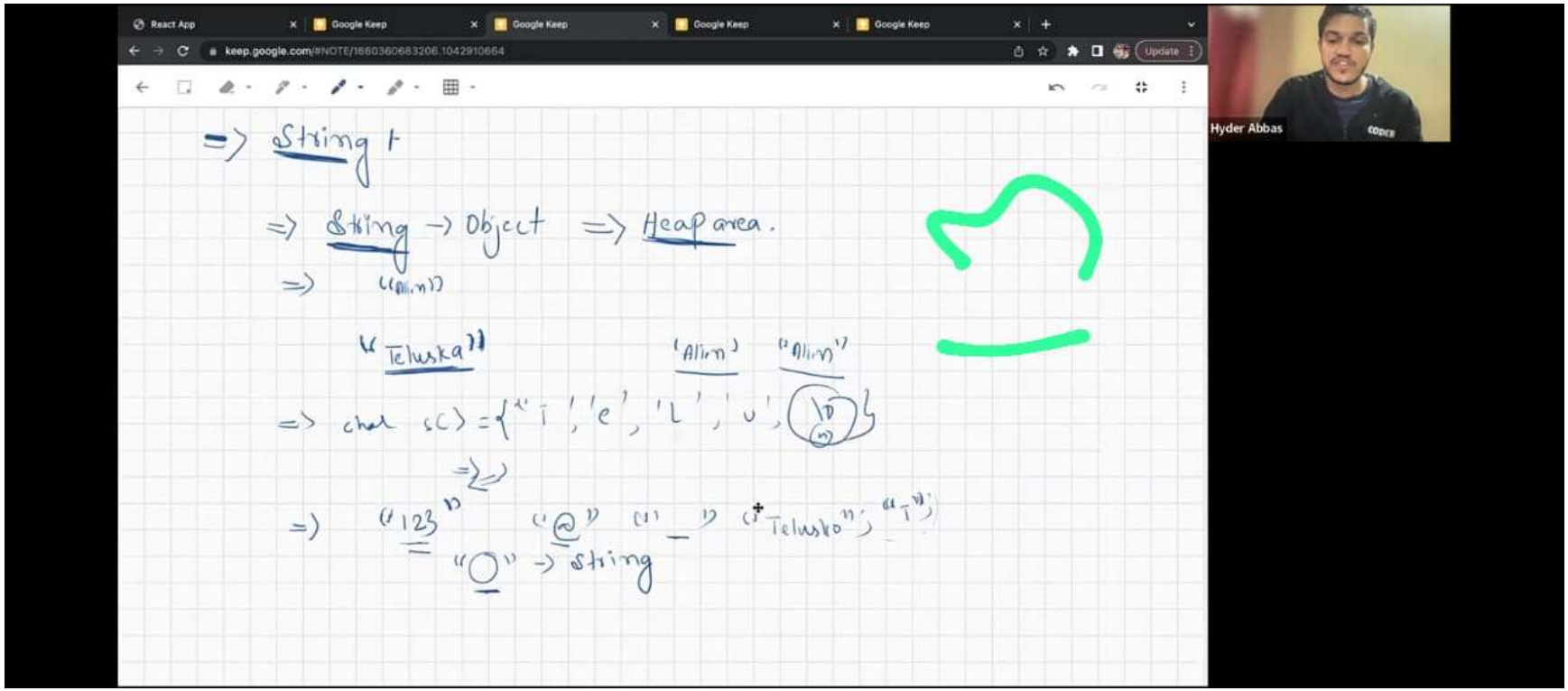

21_10_2022_snippets_classnotes - Notepad
File Edit View
Q>
Given.
class Sixties {
public static void main(String[] args) {
int x = 5;//JVM x= 5
int y = 7;//JVM y = 7
System.out.print(((y * 2) % x));// S.o.p((7*2)%5)) , S.o.p(14%5), S.o.p(4);
System.out.print(" " + (y % x));// S.o.p(7 % 5) , S.o.p(2);
}
}
What is the result?
A. 1 1
B. 1 2
C. 2 1
D. 2 2
E. 4 1
F. 4 2
G. Compilation fails.
H. An exception is thrown at runtime.
Answer: F
Ln 93, Col 1
100%
Windows (CRLF)
UTF-8
21°C
Cloudy
ENG
IN
21:25
21-10-2022

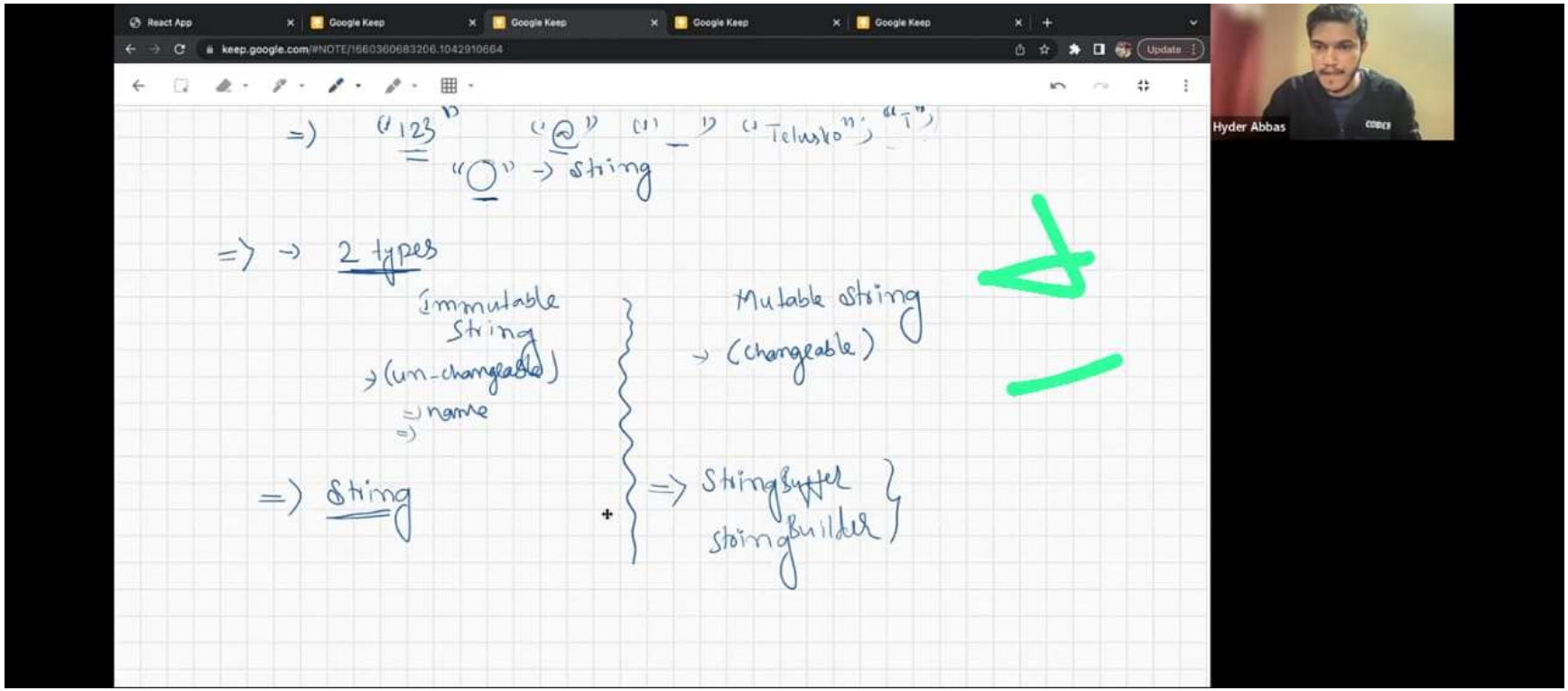

21_10_2022_snippets_classnotes - Notepad
File Edit View
Q>
class Hexy {
public static void main(String[] args) {
Integer i = 42;//JVM i = 42
String s = (i<40)?"life":(i>50)?"universe":"everything";// (42<40)? true: (42>50) ? true : "everything";
System.out.println(s);//S.o.p(everything)
}
}
What is the result?
A. null
B. life
C. universe
D. everything
E. Compilation fails.
F. An exception is thrown at runtime.
Answer: D
Ln 111, Col 1
100%
Windows (CRLF)
UTF-8
21°C
Cloudy
ENG
IN
21:30
21-10-2022

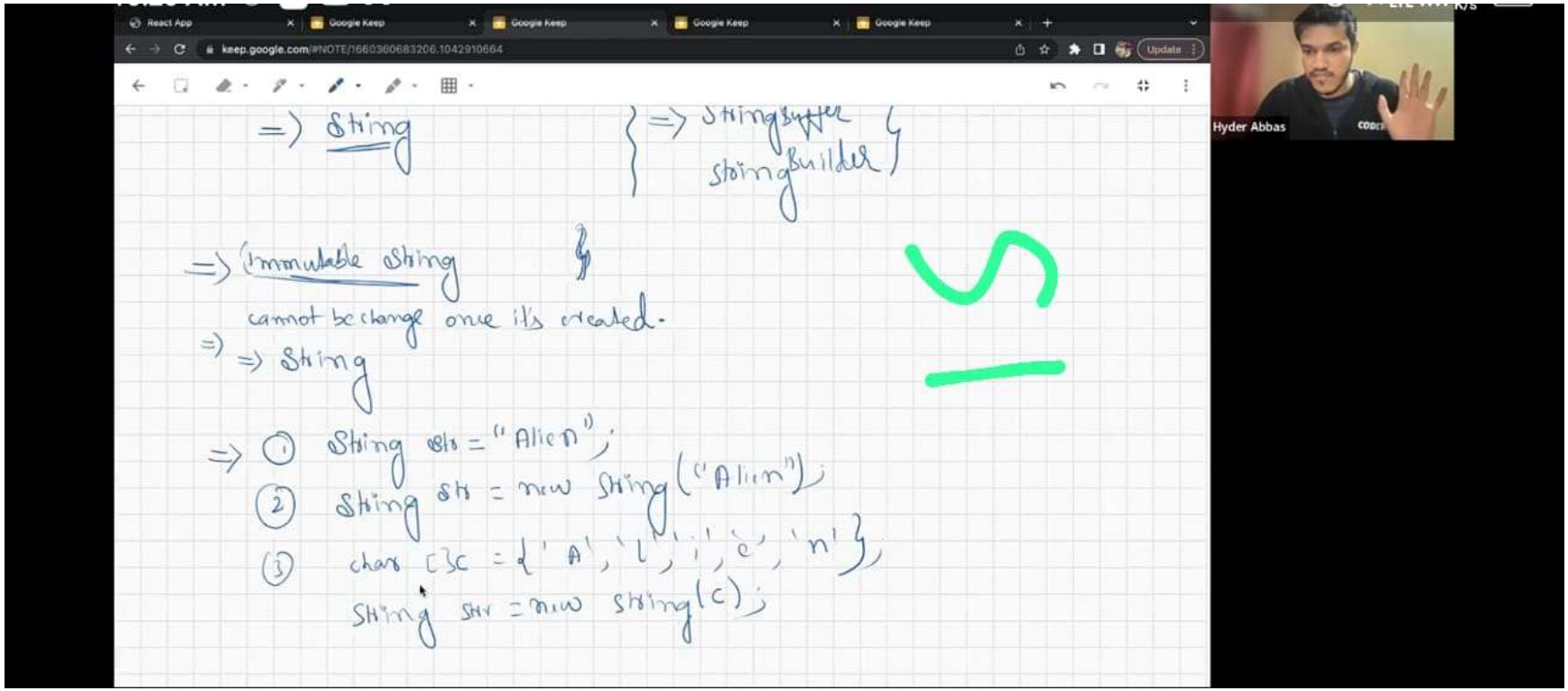

Untitled - Paint
File
View
Clipboard
Image
Tools
Brushes
Shapes
Size
Colours
Integer x = 0;
Integer y = 0;
for(Short z = 0; z < 5; z++)
if((++x > 2) || (++y > 2))
x++;
System.out.println(x + " " + y);
for(; ;)
stmt-1;
if(boolean)
stmt-1;
x = 0,1
y = 0,1
z = 0, 0< 5(true)
if(false)
x = 1,2
y = 1,2
z = 1 1<5(true)
if(false)
x = 2,3,4
y = 2
z = 2 2<5(true)
if(true)
x = 4,5,6
y = 2
z = 3 3<5(true)
if(true)
x = 6,7,8
y = 2
z = 4 4<5(true)
if(true)
x = 8
y = 2
z = 5 5<5(false)
100%
21°C
Cloudy
ENG
IN
21:43
21-10-2022


*21_10_2022_snippets_classnotes - Notepad
File Edit View
public static void main(String[] args) {
Integer x = 0;
Integer y = 0;
for(Short z = 0; z < 5; z++)
if((++x > 2) || (++y > 2))
x++;
System.out.println(x + " " + y);
}
}
What is the result?
A. 5 1
B. 5 2
C. 5 3
D. 8 1
E. 8 2
F. 8 3
G. 10 2
H. 10 3
I. Compiletime Error
J. Some problem created by JVM during execution
Answer: E
Ln 137, Col 10
100%
Windows (CRLF)
UTF-8
21°C
Cloudy
ENG
IN
21:43
21-10-2022


21_10_2022_snippets_classnotes - Notepad
File Edit View
No session till wednesday.
Next session on 27/10/2022(thursday : 7.30PMIST)
contact details
hyder: syedhyder@ineuron.ai
nitin : nitin@ineuron.ai
Q>
public class Test{
public static void main(String args[]){
int x=?;
switch(x)
{
default:System.out.println("default");
case 0:System.out.println("0");
break;
case 1: System.out.println("1");
case 2:System.out.println("2");
}
}
}
Note: replace x with 0,1,2,3 and predict the output
Ln 5, Col 26
100%
Windows (CRLF)
UTF-8
21°C
Cloudy
ENG
IN
21:47
21-10-2022


React App
Google Keep
Google Keep
Google Keep
Google Keep
keep.google.com/#NOTE/1660360683206.1042910664
Update
Hyder Abbas
=> String :-
=> String -> Object => Heap area.
=> ("Alim")
"Teluska"
'Alim'
"Alim"
=> char sC = {'T', 'e', 'L', 'u', 'S', 'k', 'a'}
=>
=> "123" "@" "_" "Teluska" "T"
= "0" -> string


React App
Google Keep
Google Keep
Google Keep
Google Keep
keep.google.com/#NOTE/1660360683206.1042910664
Update
Hyder Abbas
=> "123" "@" " " "Telusko" "I"
"O" -> String
=> -> 2 types
Immutable String
-> (un-changeable)
=> name
=> String
Mutable string
-> (changeable)
=> StringBuffer
StringBuilder


React App
Google Keep
Google Keep
Google Keep
Google Keep
keep.google.com/#NOTE/1660360683206.1042910664
Update
Hyder Abbas
=> String
=> StringBuffer
StringBuilder
=> Immutable String
cannot be change once it's created.
=> => String
=> 1 String str = "Alien";
2 String str = new String("Alien");
3 char [] c = {'A', 'l', 'i', 'e', 'n'};
String str = new String(c);