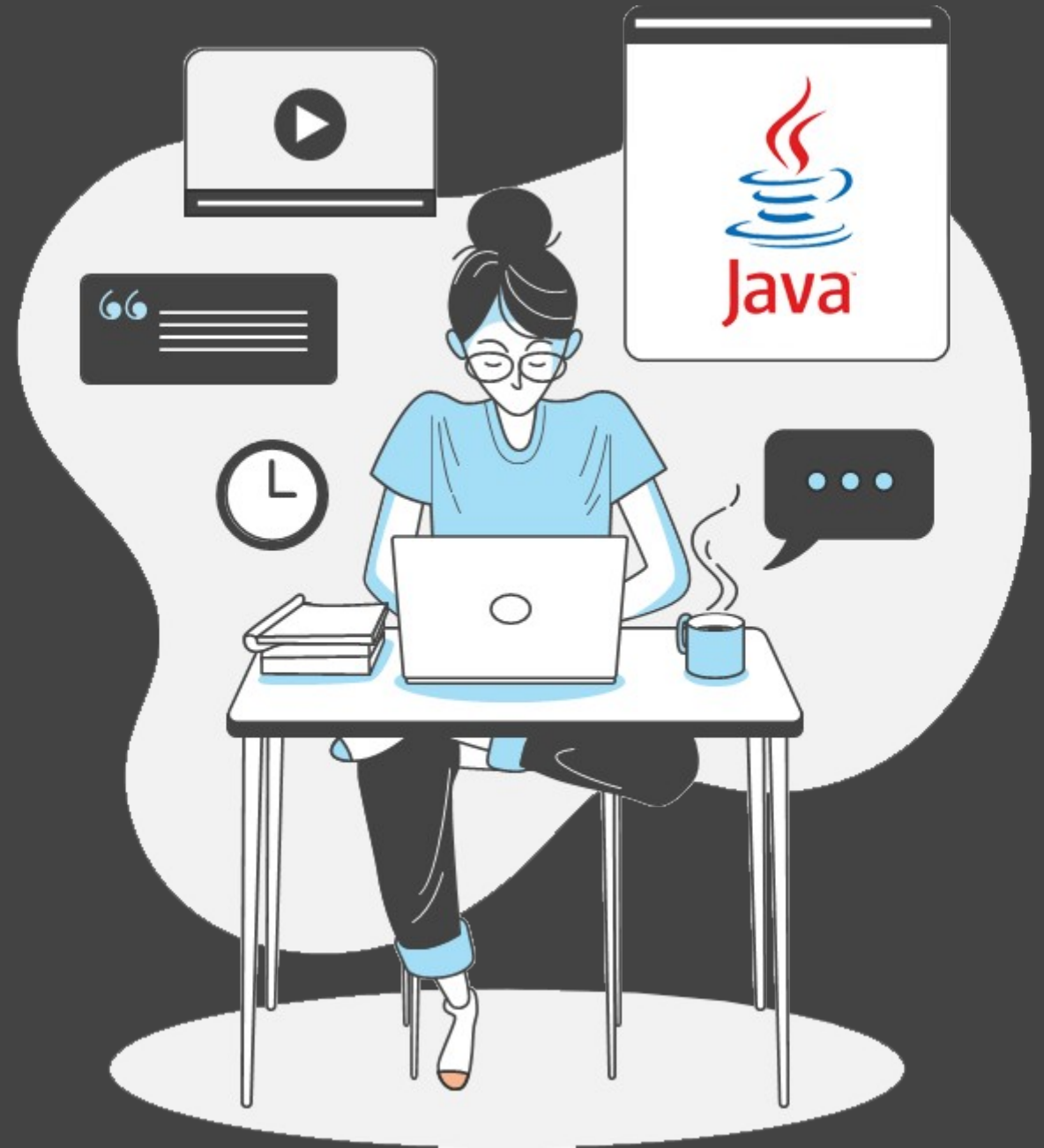


JAVA TECHNICAL SESSION

JAVA TECHNICAL PROGRAM



01

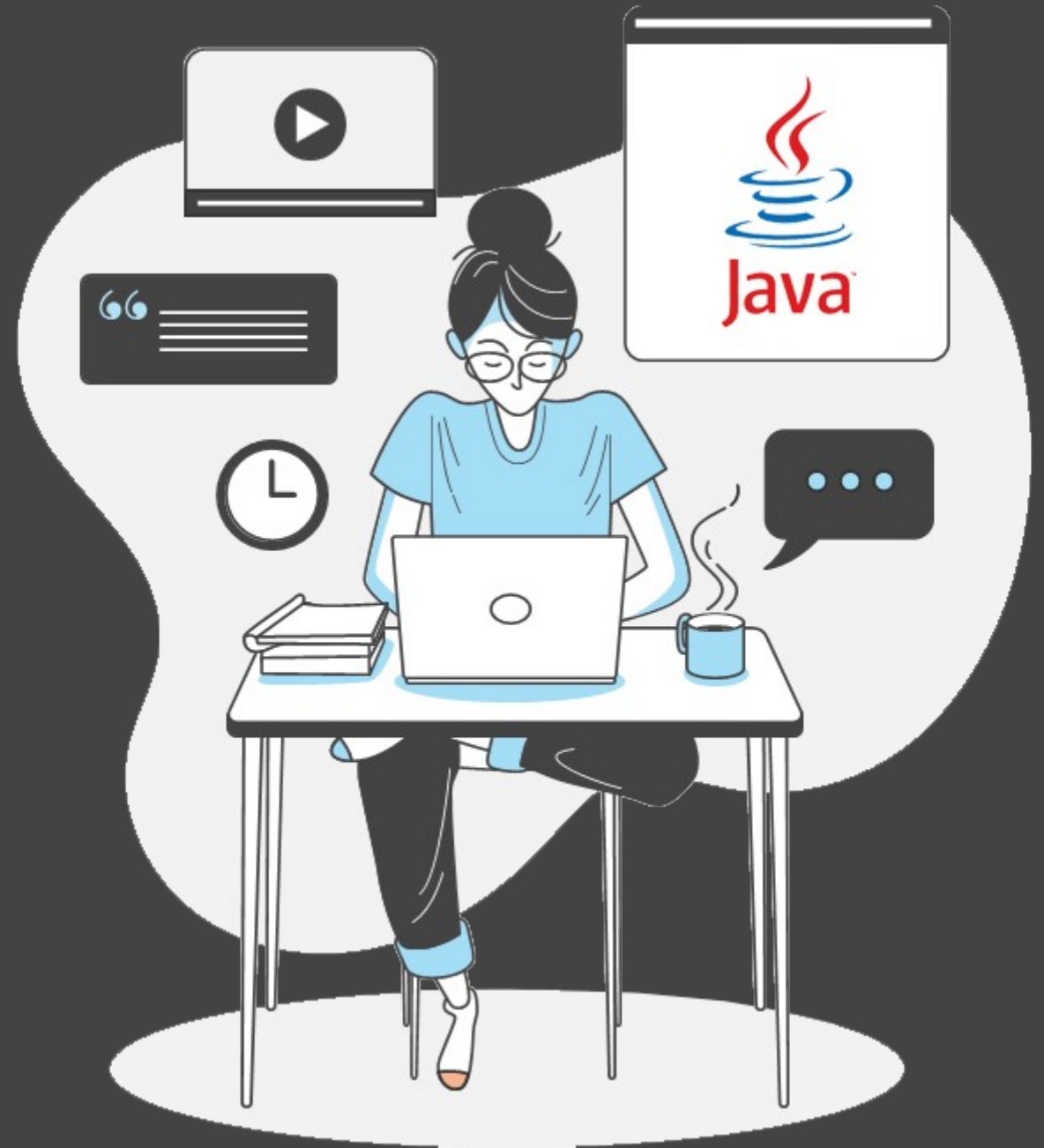
TECHNICAL
PROGRAM

```
public class Main {  
    public static void main(String[] args) {  
        try {  
            int a = 0;  
            int b = 15/a;  
        }  
        catch(Throwable e) {  
            System.out.println(e);  
        }  
        catch (ArithmeticException ae) {  
            System.out.println("Throw Arithmetic  
Exception");  
        }  
    }  
}
```

ANSWER

Exception
'java.lang.ArithmeticException'
has already been caught

JAVA TECHNICAL PROGRAM



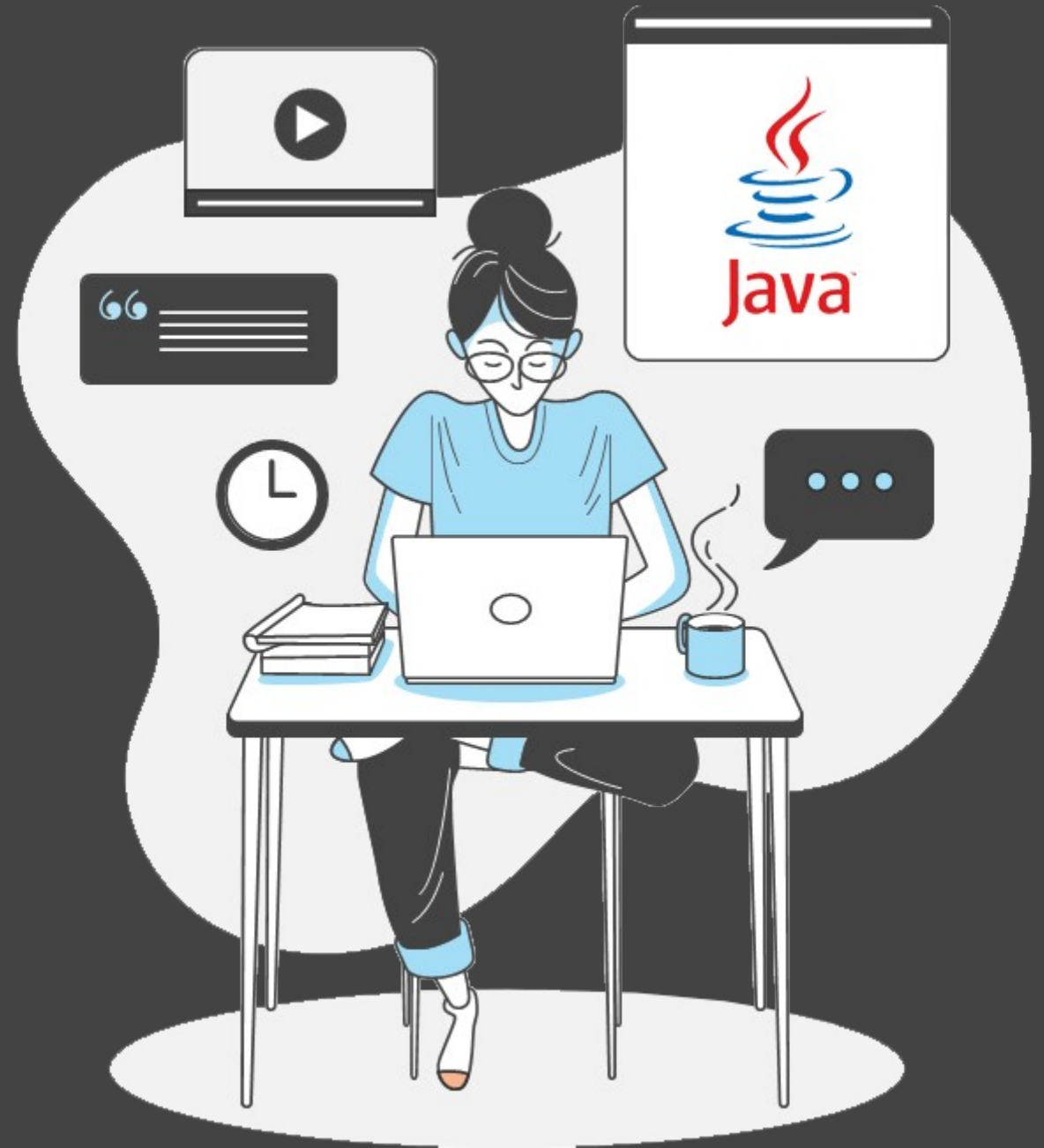
```
public class Main {  
    public static void main(String[] args)  
    {  
        // \u000d System.out.println("comment  
executed");  
    }  
}
```

ANSWER

**comment
executed**

The reason for this is that the Java compiler parses the unicode character `\u000d` as a new line

JAVA TECHNICAL PROGRAM

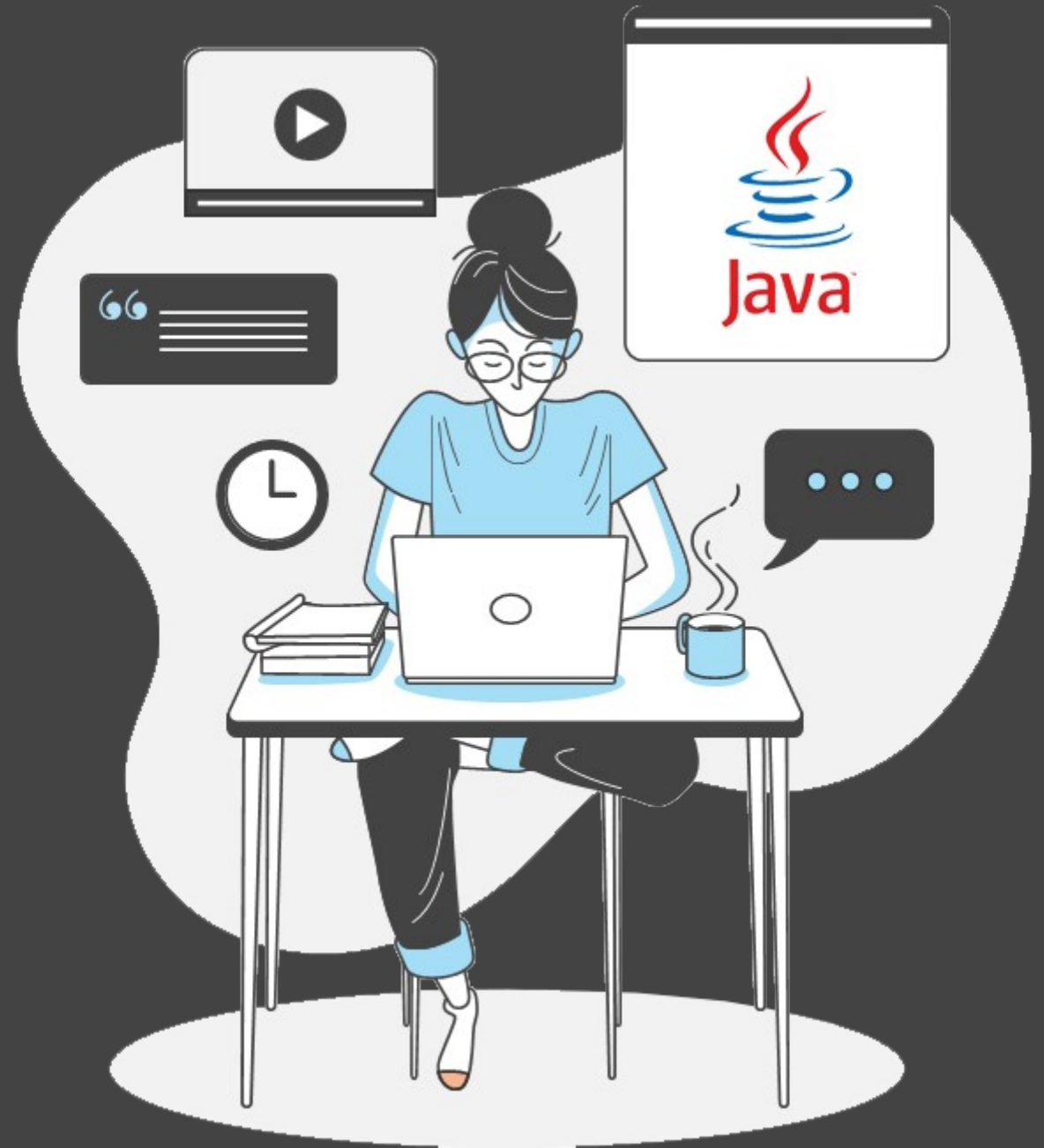


```
public class A {  
    public static void main(String[] args)  
    {  
        if (true)  
            break;  
    }  
}
```

ANSWER

Error The reason is Break statement can only be used with loop or switch. So, using break with if statement causes “break outside switch or loop”

JAVA TECHNICAL PROGRAM

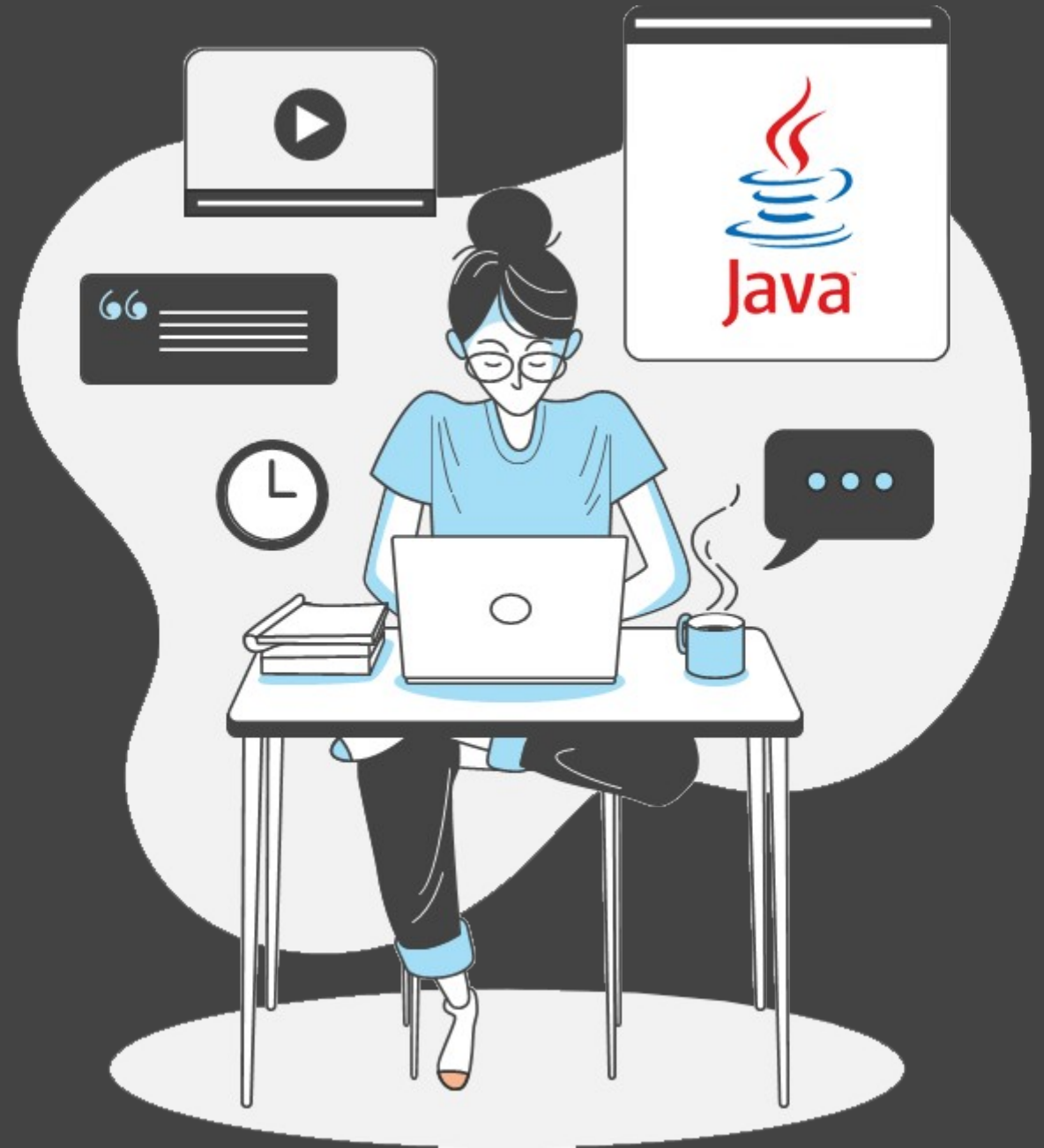



```
public class A {  
    public static void main(String[] args)  
    {  
        System.out.println('v' + 'i' + 't');  
    }  
}
```

ANSWER

339 $118+105+116=339$

JAVA TECHNICAL PROGRAM



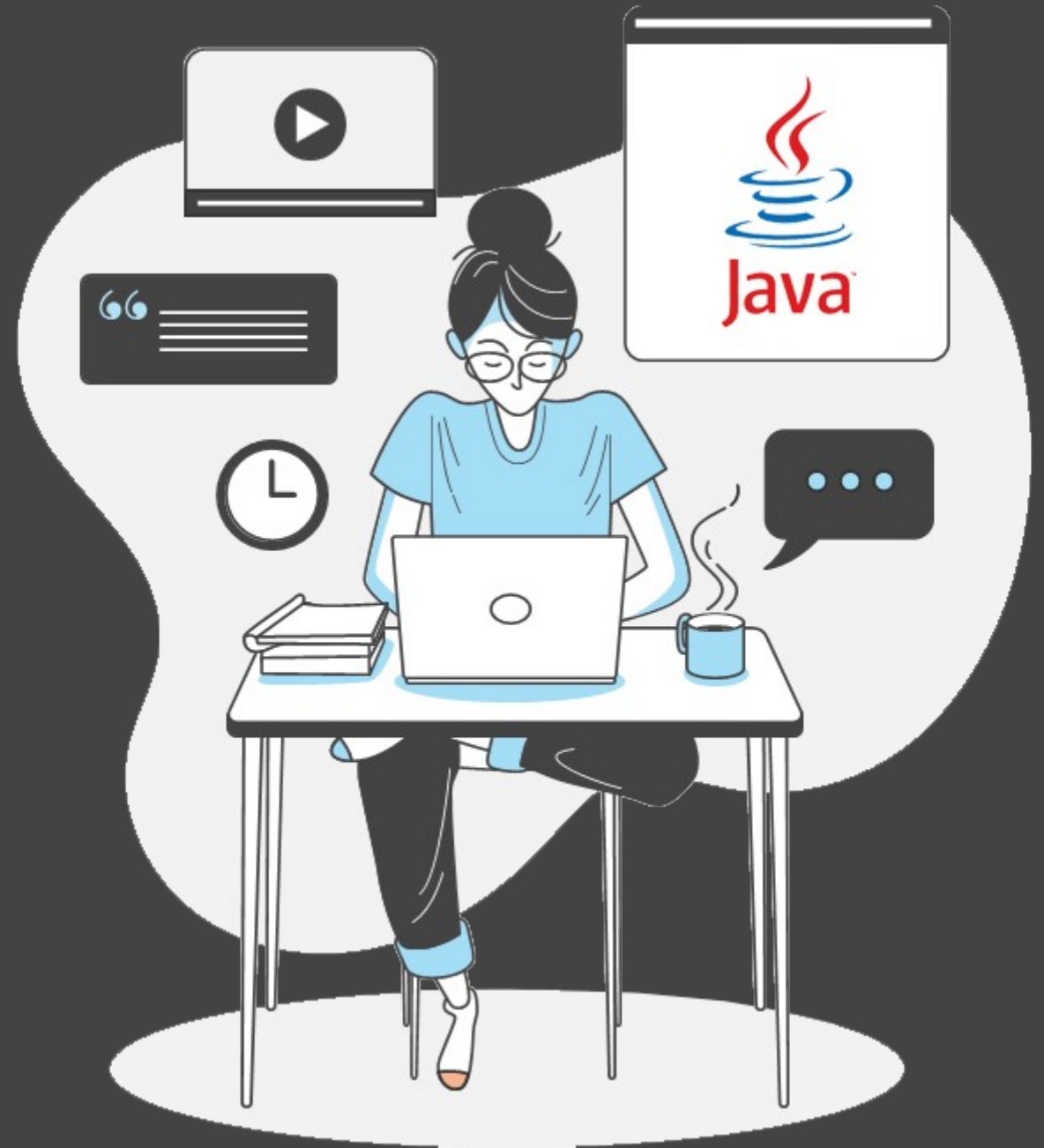
```
public class A {  
    public static void main(String[] args)  
    {  
        int $_ = 5;  
        System.out.println($_);  
    }  
}
```

ANSWER

5

Reason: In java, identifier rule says, identifier can start with any alphabet or underscore (“_”) or dollar (“\$”).

JAVA TECHNICAL PROGRAM



How many times 'Hello' is printed

06

TECHNICAL
PROGRAM

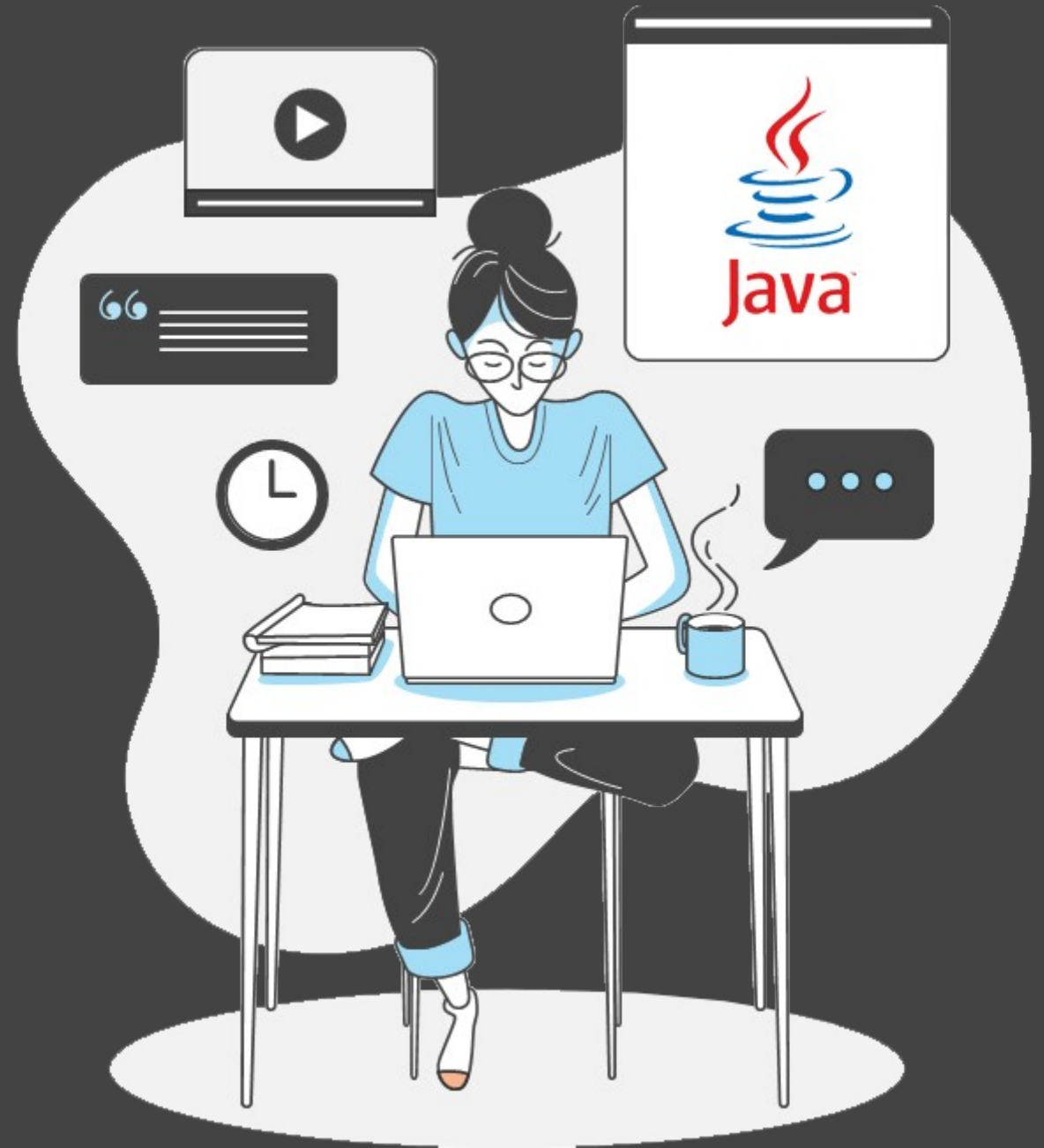
```
public class Code {  
    public static void main(String[] args){  
        for(int i = 0; i<5; i++)  
        {  
            System.out.println("Hello");  
            break;  
        }  
    }  
}
```

ANSWER

**It is printed one
time only**

because break; will terminate the
current loop

JAVA TECHNICAL PROGRAM



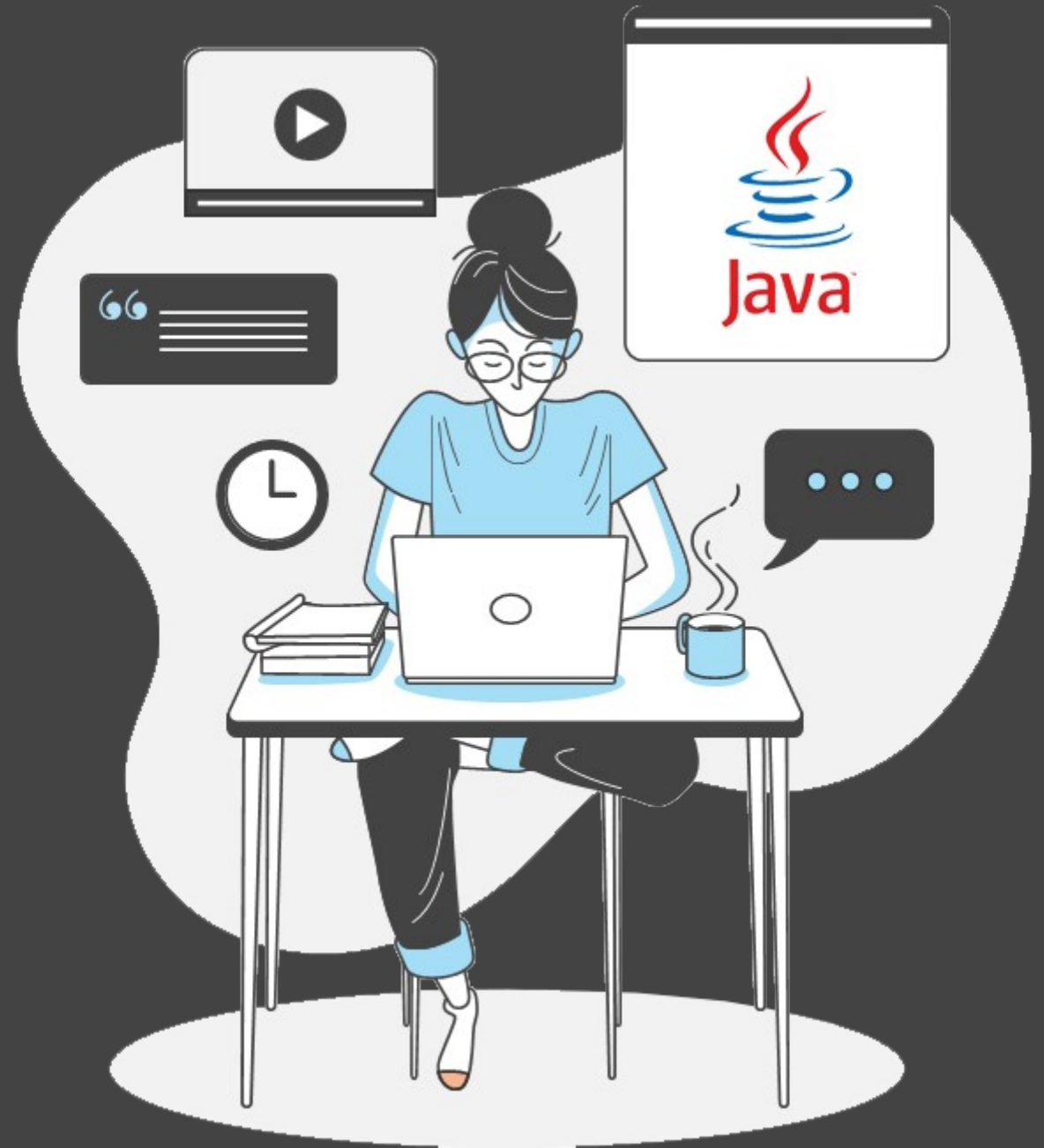
```
public class Main
{
    public static void main(String[] args)
    {
        int a = 10;
        System.out.println(a++++);
    }
}
```

ANSWER

Compilation**Error**

It is evaluated as 10++; variable is required to perform ++ operator. Performing ++ on 10 is compilation error.

JAVA TECHNICAL PROGRAM



How many times 'Hello' is printed

08

TECHNICAL
PROGRAM

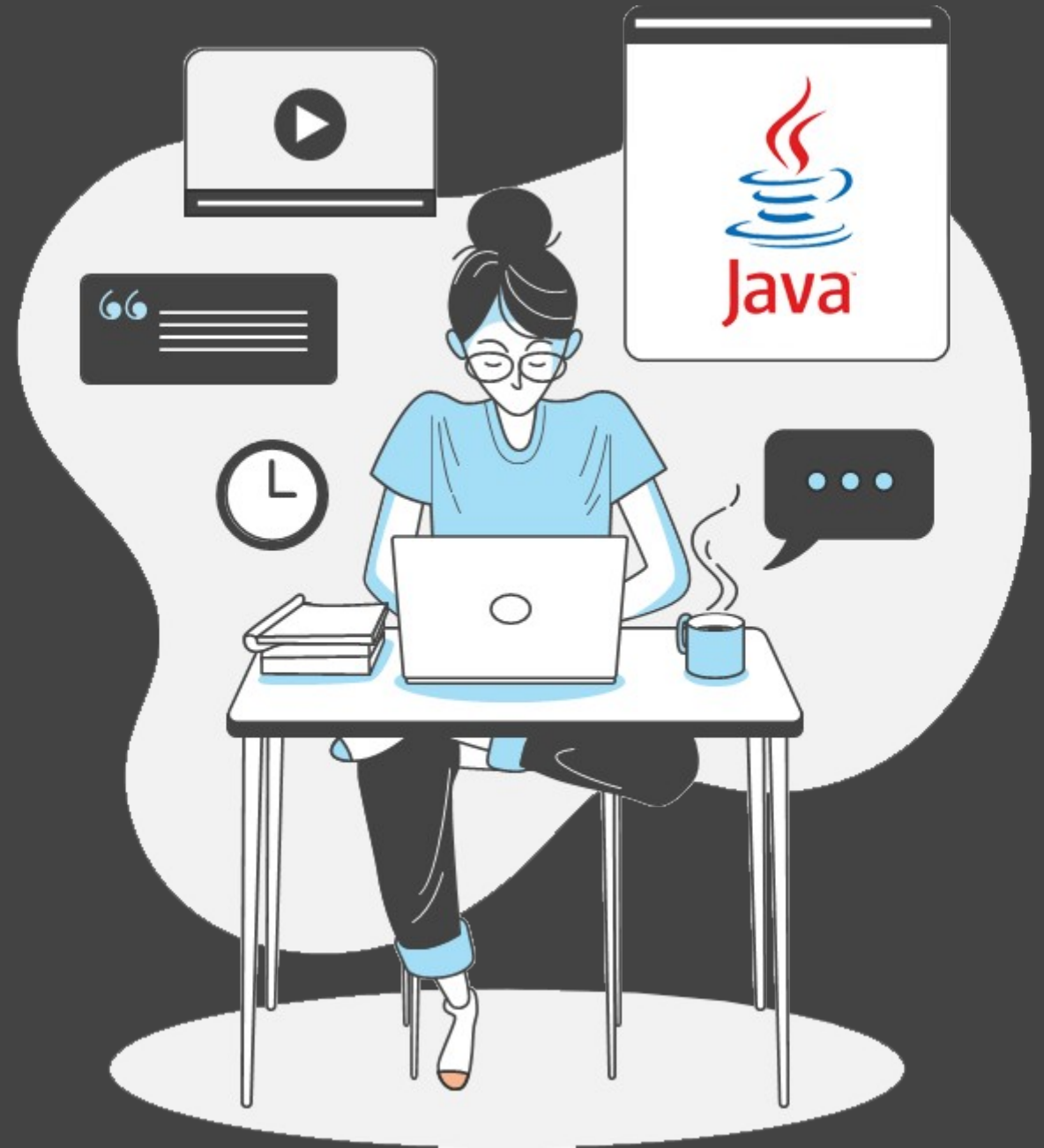
```
public class Code {  
    public static void main(String[] args){  
        for(int i = 0; i<5; i++)  
        {  
            System.out.println("Hello");  
            i++;  
        }  
    }  
}
```

ANSWER

**It is printed 3
times**

because i is incremented 2 times
for one iteration

JAVA TECHNICAL PROGRAM



How many times 'Hello' is printed

09

TECHNICAL
PROGRAM

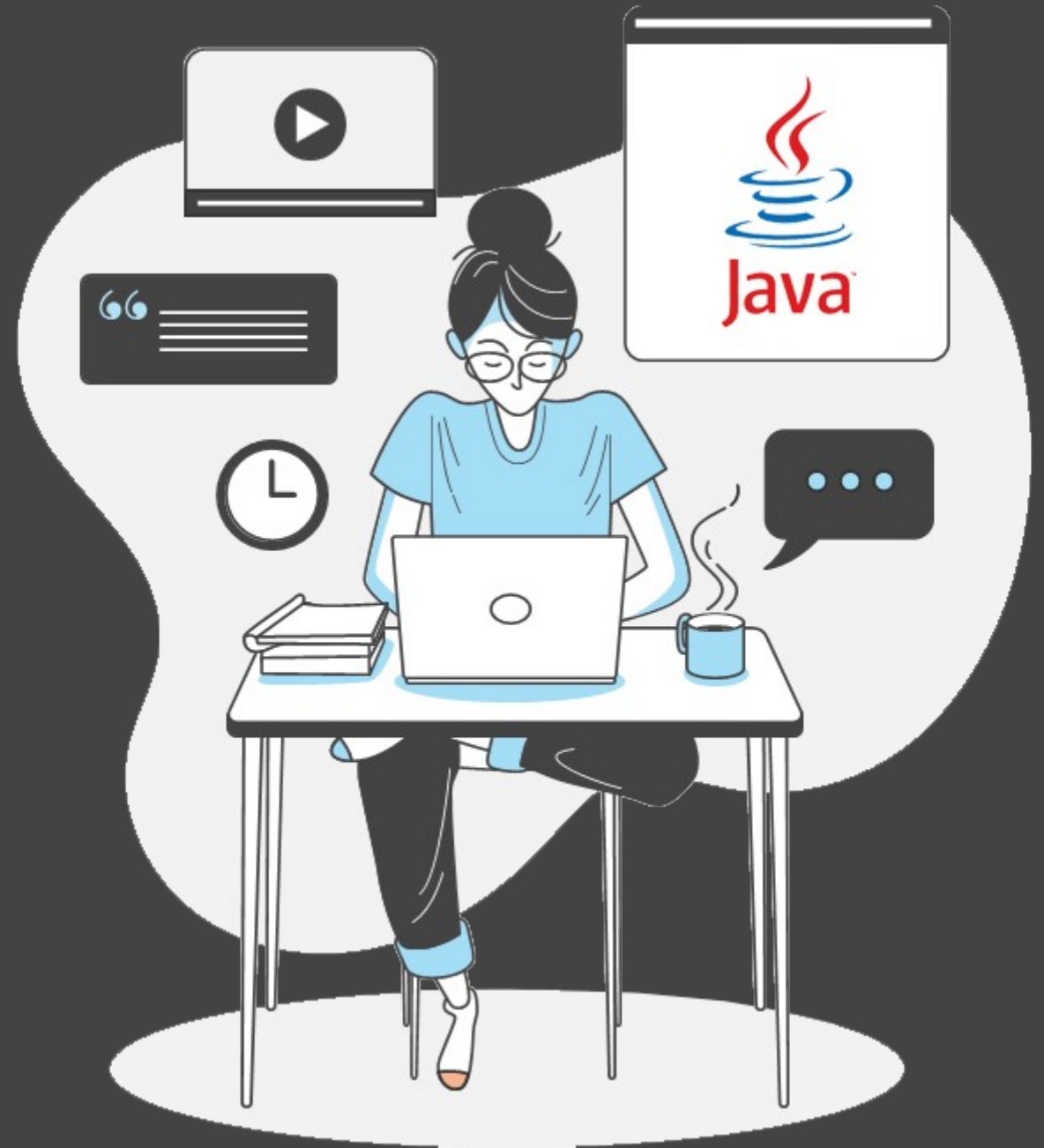
```
public class Code {  
    public static void main(String[] args){  
        for(int i = 0; i<5; i++)  
        {  
            System.out.println("Hello");  
            i++;  
            i--;  
        }  
    }  
}
```

ANSWER

**It is printed 5
times**

These two operations are not
making any sense

JAVA TECHNICAL PROGRAM



10

TECHNICAL PROGRAM

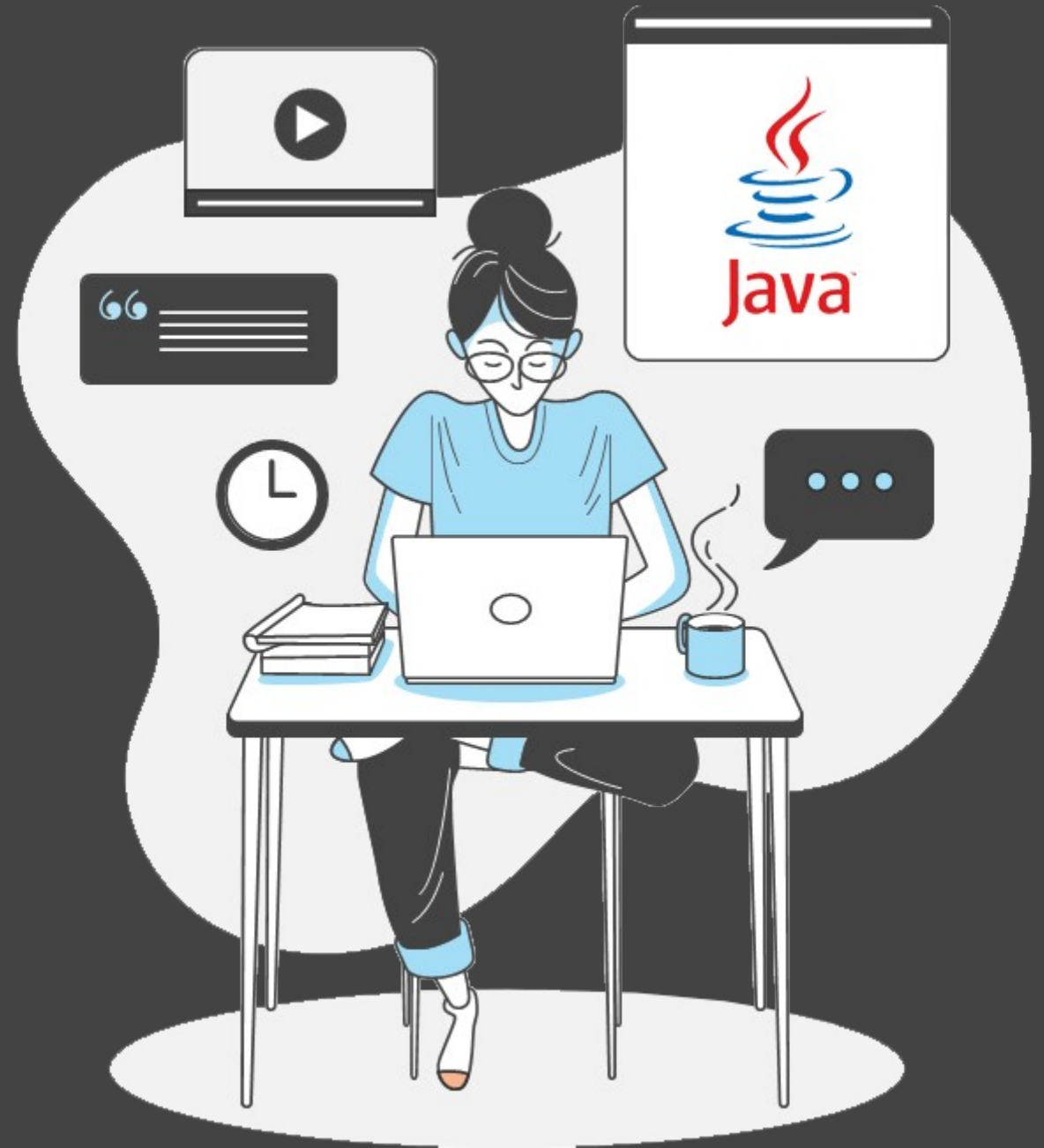
```
public class Main {  
    public static void main(String[] args){  
        for(int i = 0; i<5; i++){  
            {  
                System.out.println("Hello");  
                i+=2;  
            }  
        }  
    }  
}
```

ANSWER

**The loop is
executed 2
times**

because i is incremented by 3
everytimne. i = 0; i=3; i=6;

JAVA TECHNICAL PROGRAM

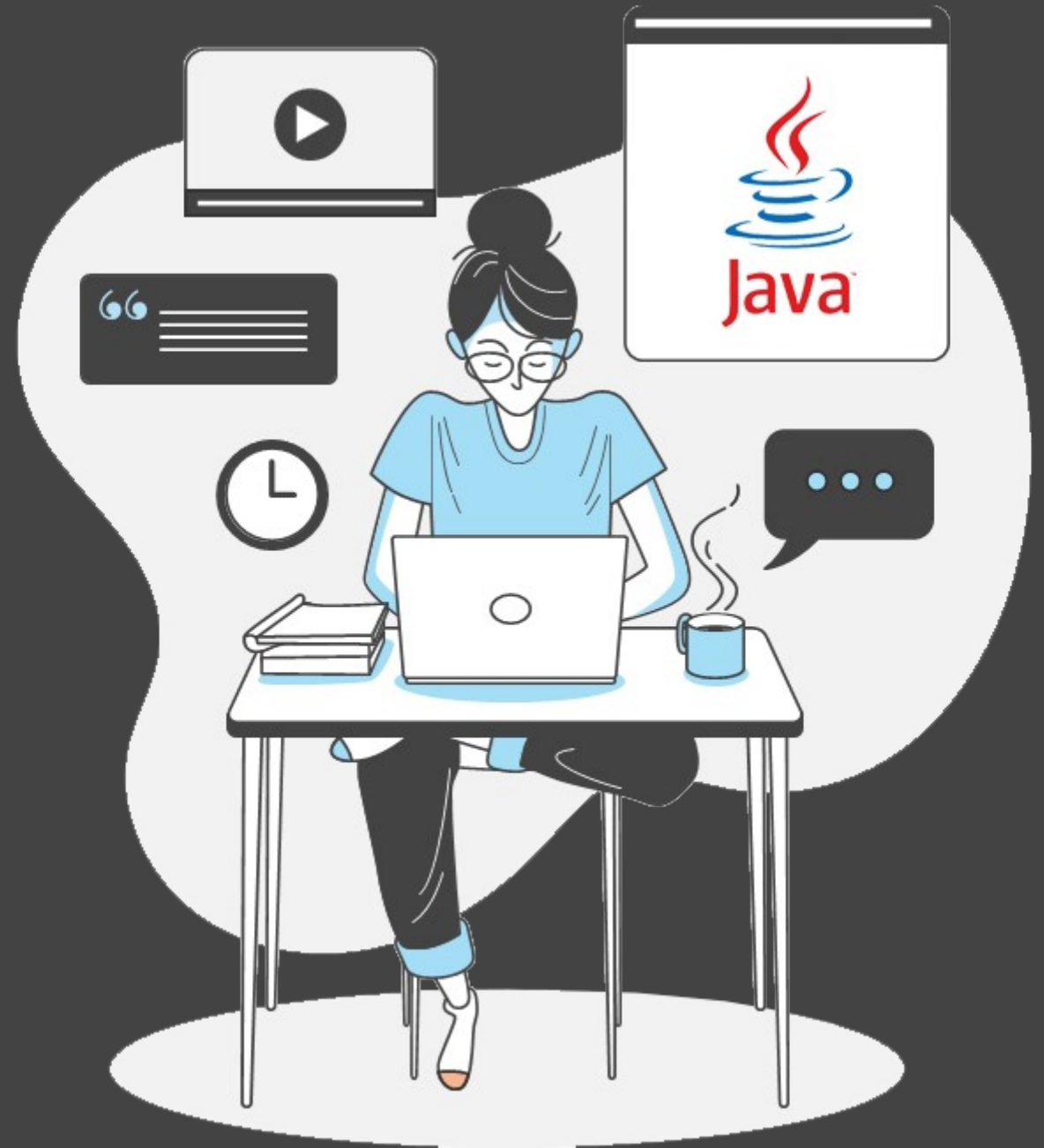


```
public class CppBuzz {  
    public static void main(String[] args){  
        for(int i = 0; i<5; i+=2)  
        {  
            System.out.println("Hello");  
            i+=2;  
        }  
    }  
}
```

ANSWER

**The loop is
executed 2
times**
for i=0; i=4

JAVA TECHNICAL PROGRAM



How many times 'Hello' is printed

12

TECHNICAL
PROGRAM

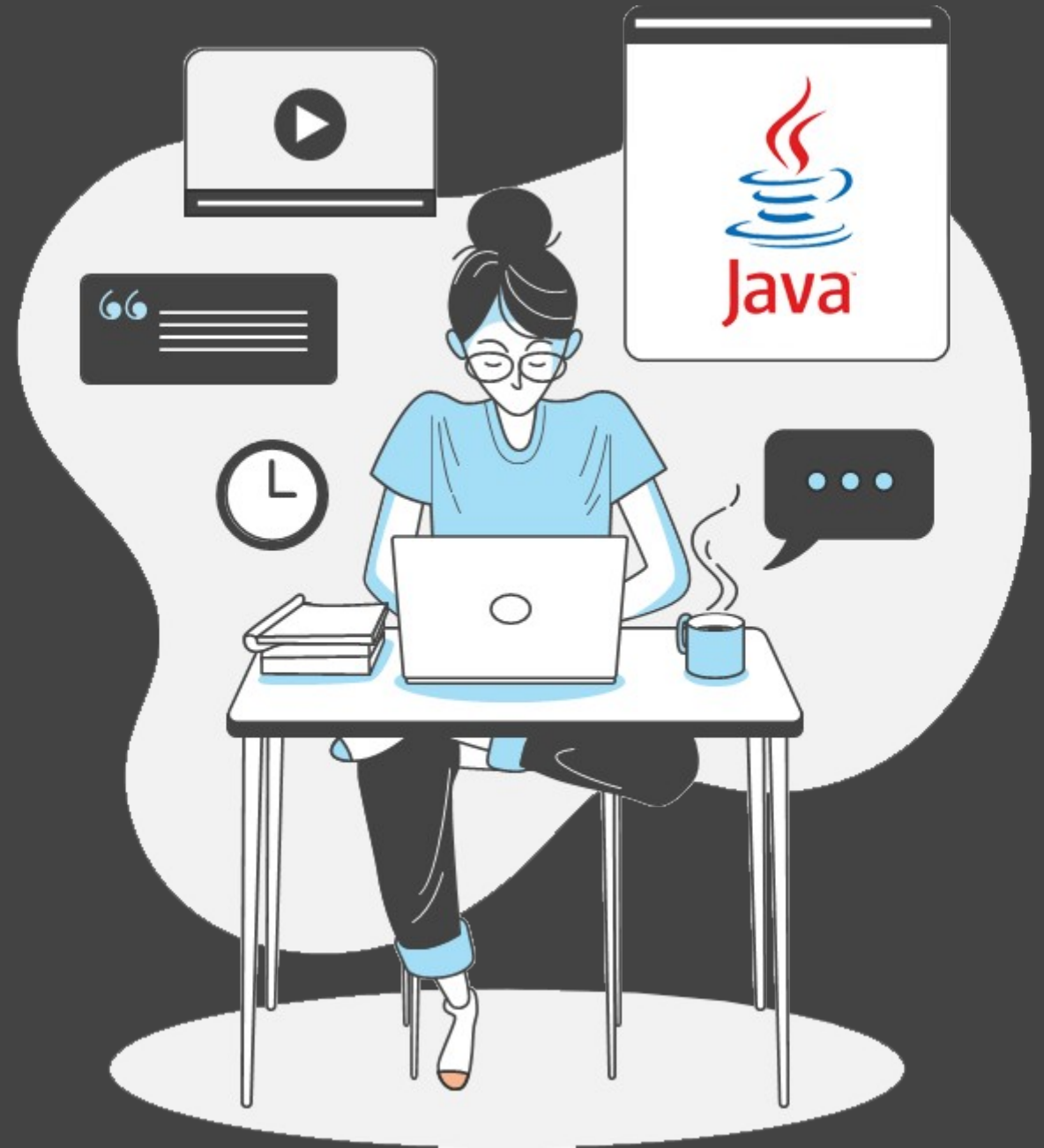
```
public class Main {  
    public static void main(String[] args){  
        for(int i = 0; i<5; )  
        {  
            System.out.println("Hello");  
        }  
    }  
}
```

ANSWER

Infinite

This for loop will run for i=0 only always because there is not increment/decrement operator

JAVA TECHNICAL PROGRAM



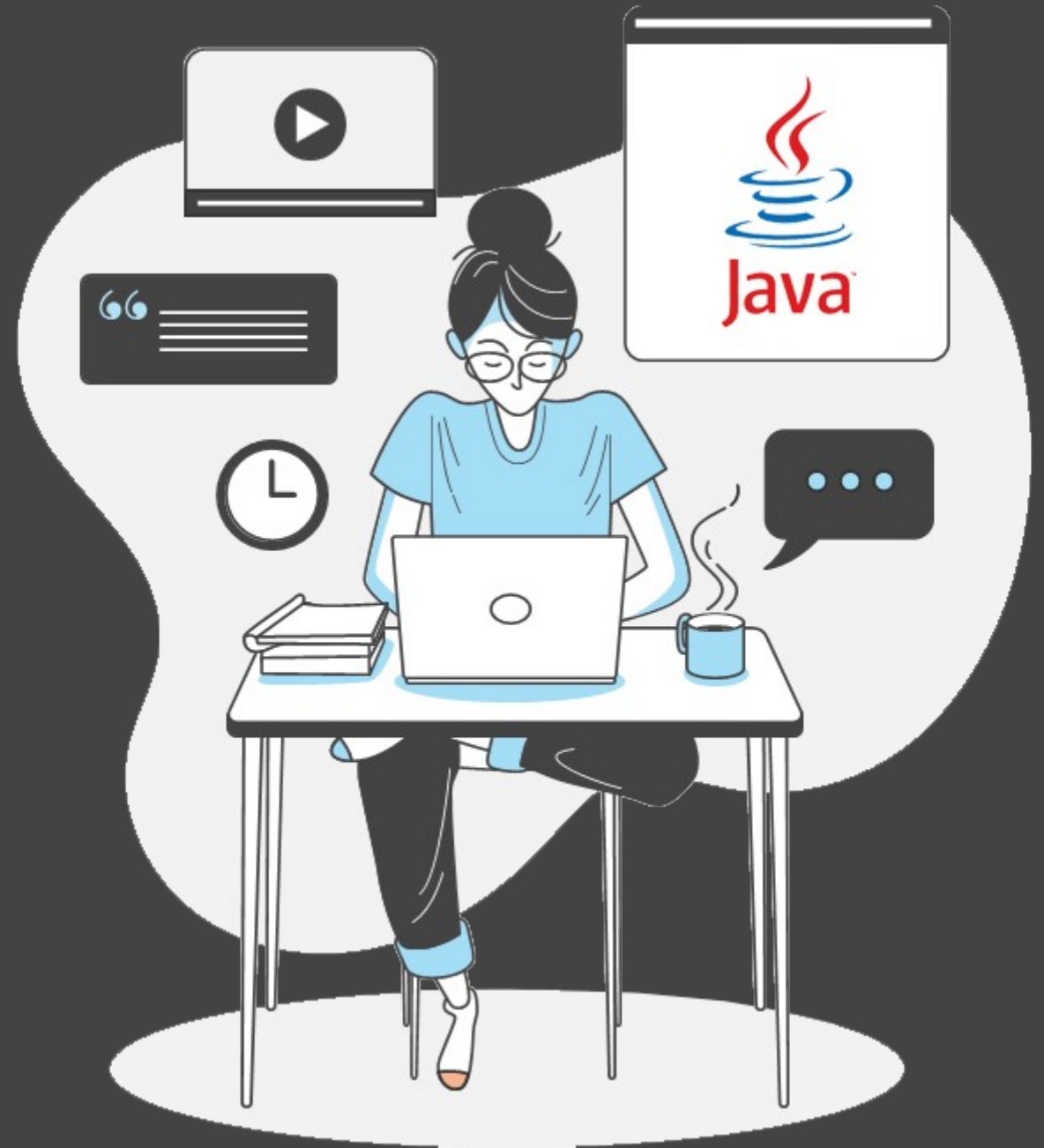
```
public class Main
{
    public static void main(String[] args)
    {
        int a = 10;
        System.out.println(a*a++);
    }
}
```

ANSWER

100

It is evaluated as $10 * 10$ because `a` has postincrement operator.

JAVA TECHNICAL PROGRAM

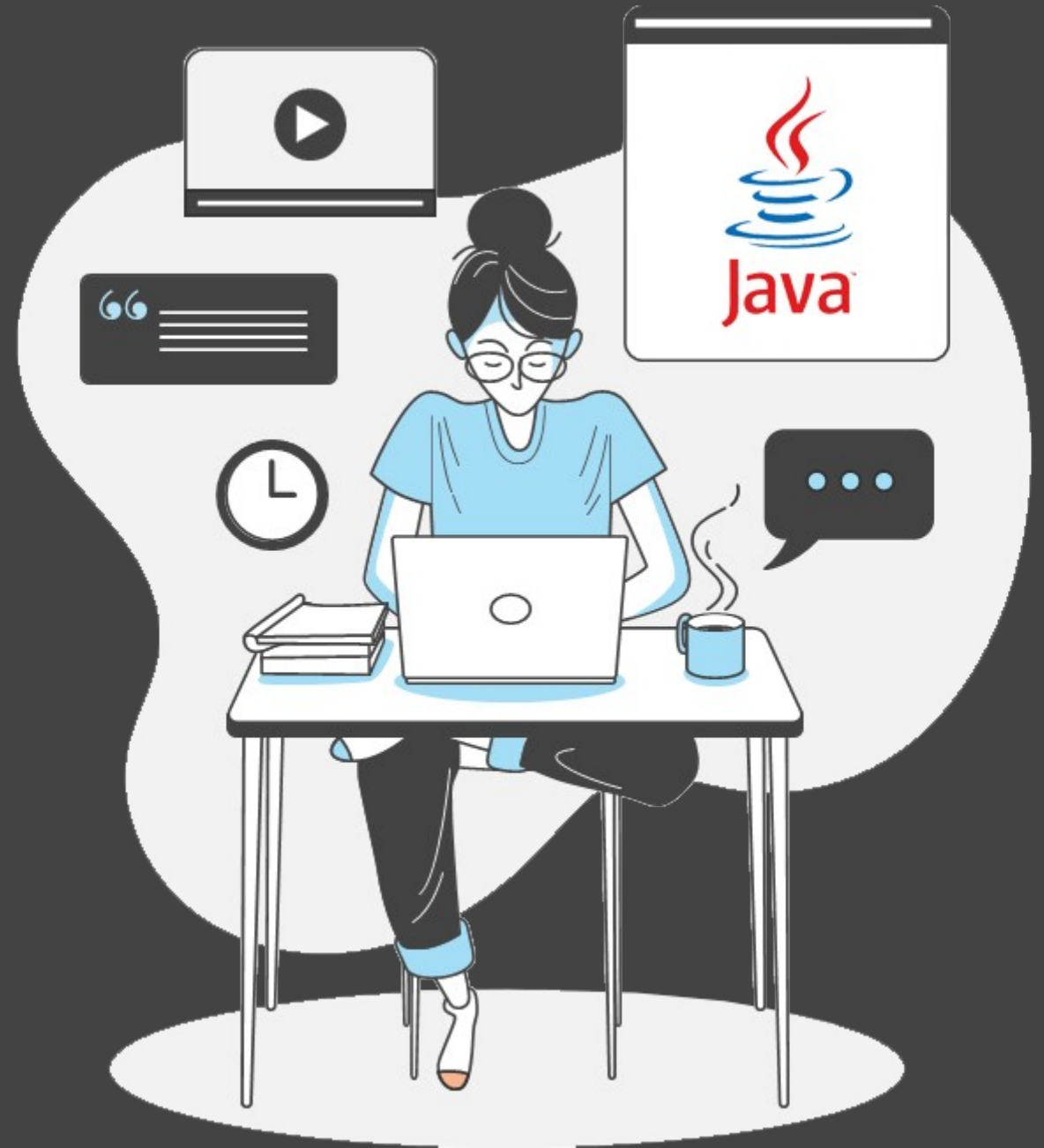


```
import java.util.Scanner;
public class ExampleIfElse {
public static void main(String[] args){
    String s = "friends";
    int x = 0;
do {
    System.out.print(s.charAt(x));
    x++ ;
} while (x < 2);
}
}
```

ANSWER

fr

JAVA TECHNICAL PROGRAM



How many times 'VIT' is printed

15

TECHNICAL
PROGRAM

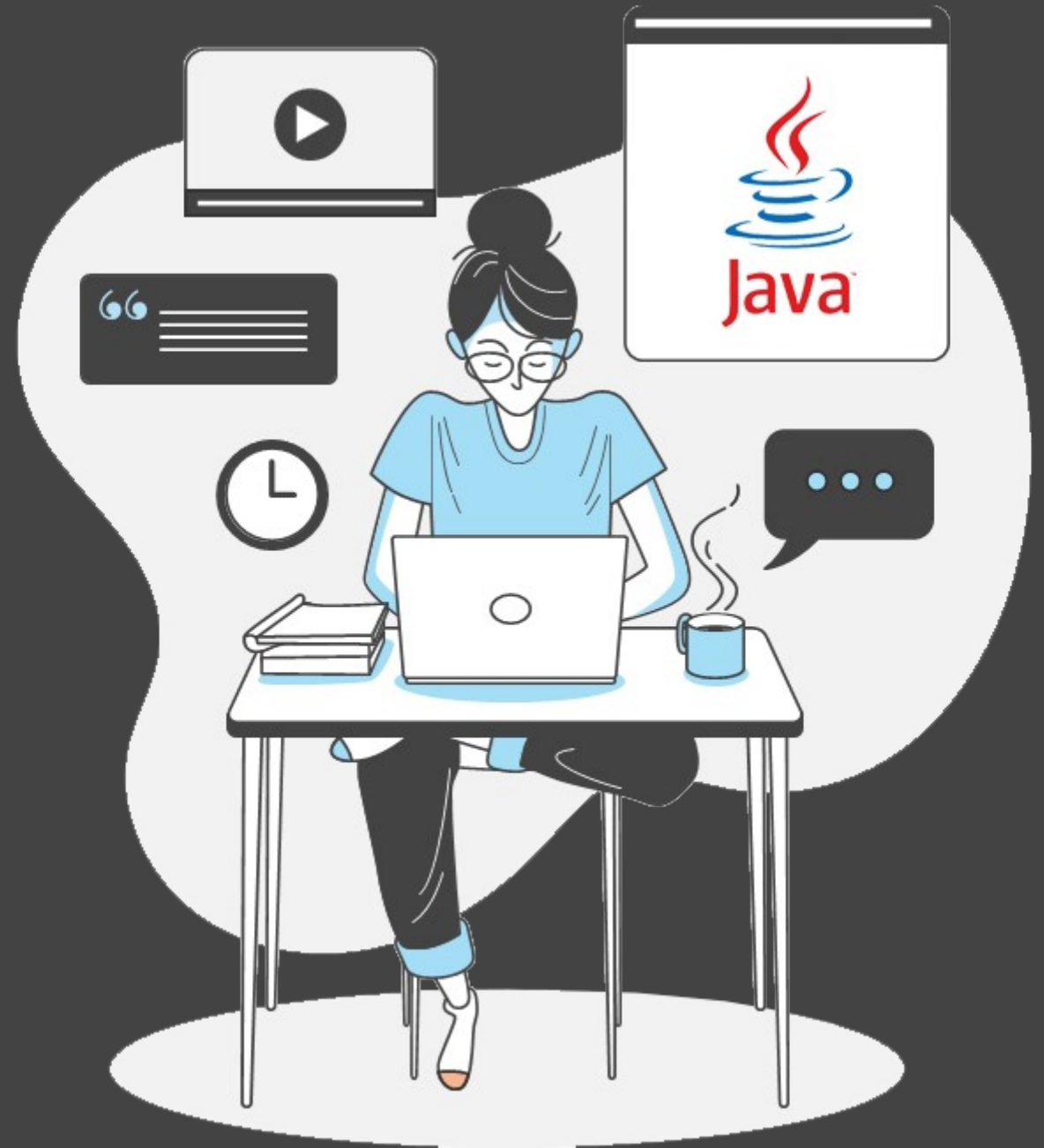
```
public class Main
{
    public static void main(String[] args) {

        for(int i = 0; i<5; i++);
        {
            System.out.println
        }
    }
}
```

ANSWER

1 time

JAVA TECHNICAL PROGRAM




```
public class Main
{
    public static void main(String[] args) {

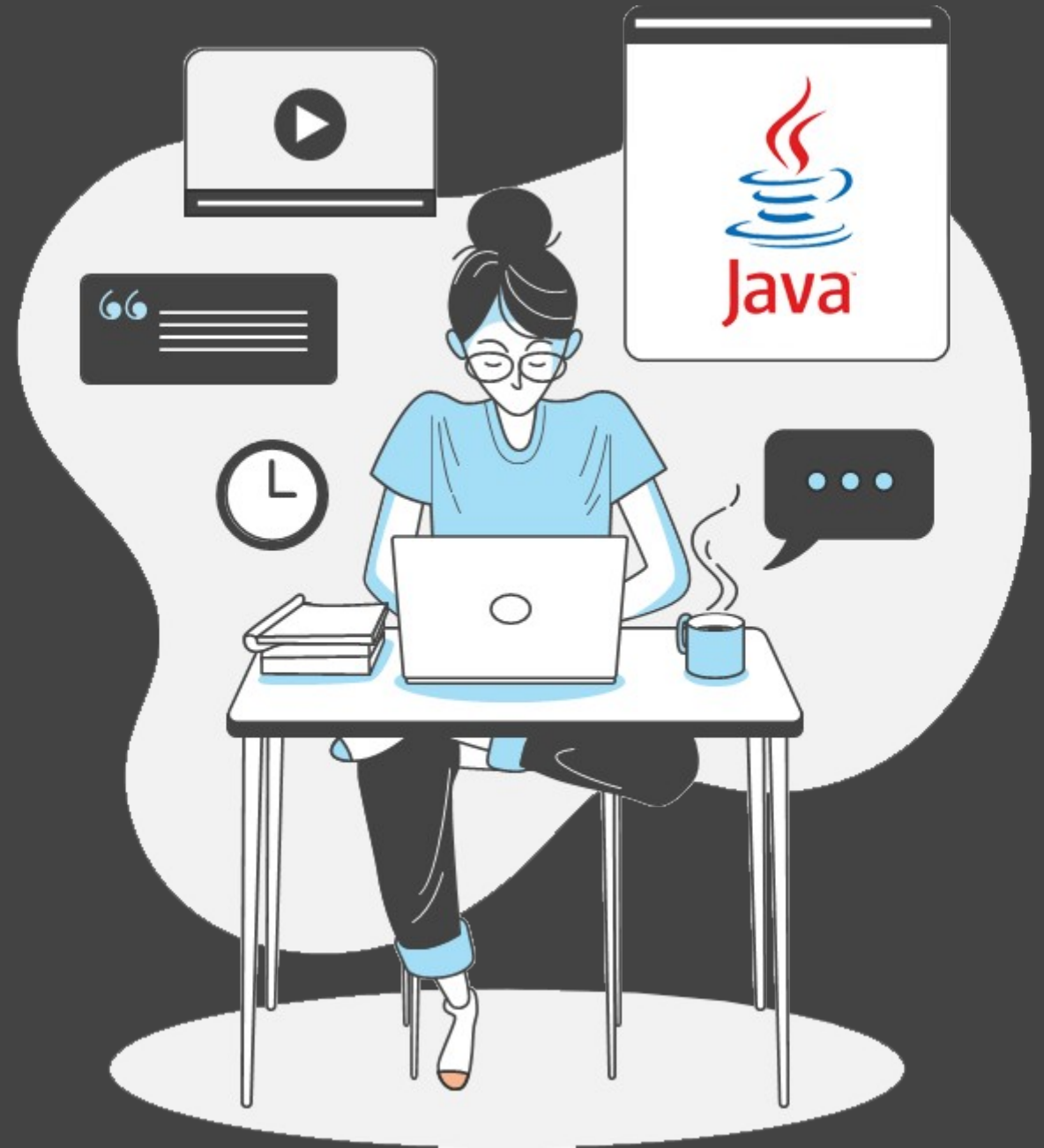
        int arr[] = {1,2,3,4,5};

        for(int i = 0 ; i<5; i++){
            System.out.print(arr[i++]);
        }
    }
}
```

ANSWER

135

JAVA TECHNICAL PROGRAM



```
public class Main
{
    public static void main(String[] args) {

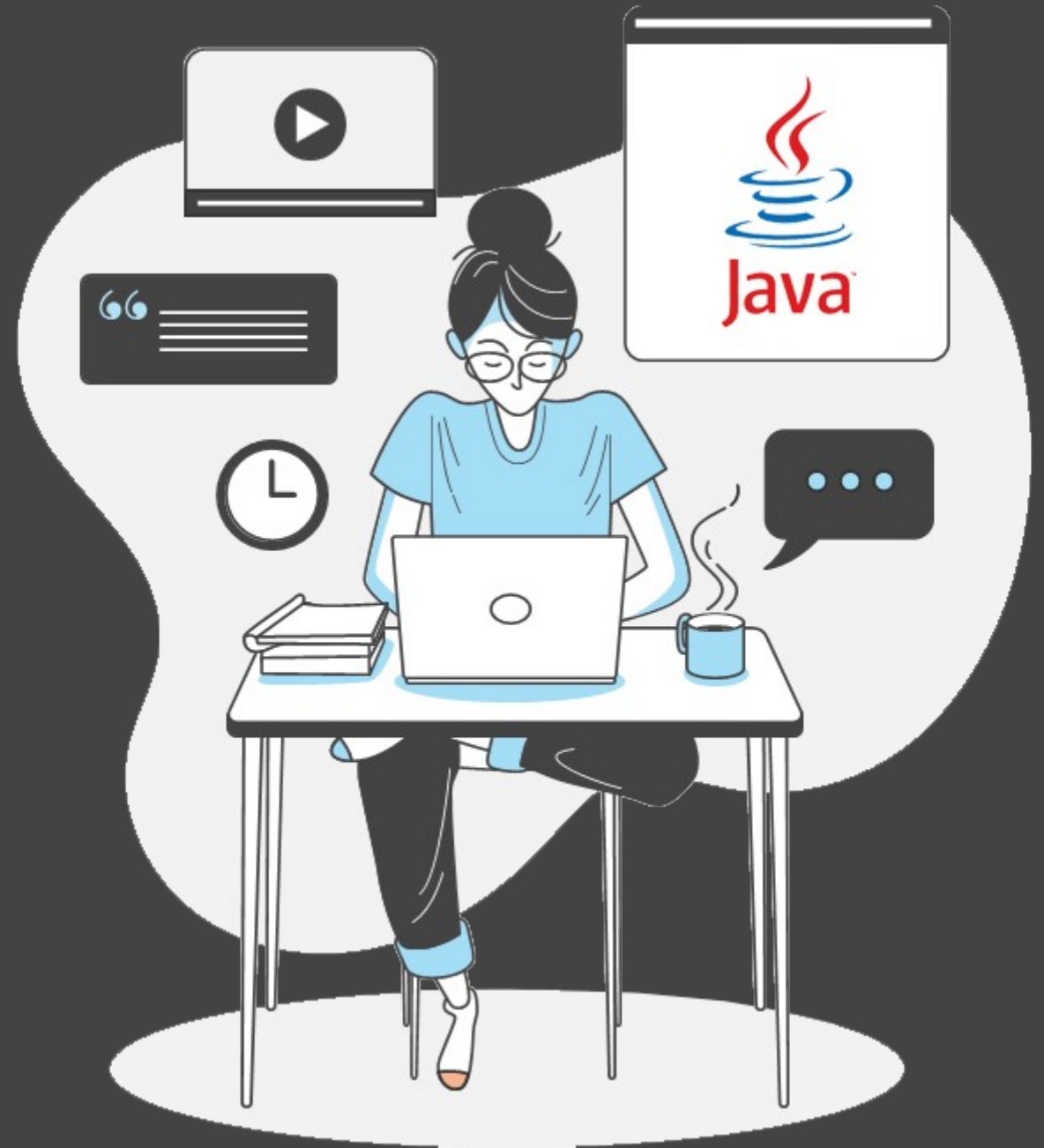
        int arr[] = {'a','b','c','d','e'};

        for(int i = 0 ; i<5; i++){
            System.out.print(arr[i]);
        }
    }
}
```

ANSWER

**97 98 99 100
101**

JAVA TECHNICAL PROGRAM



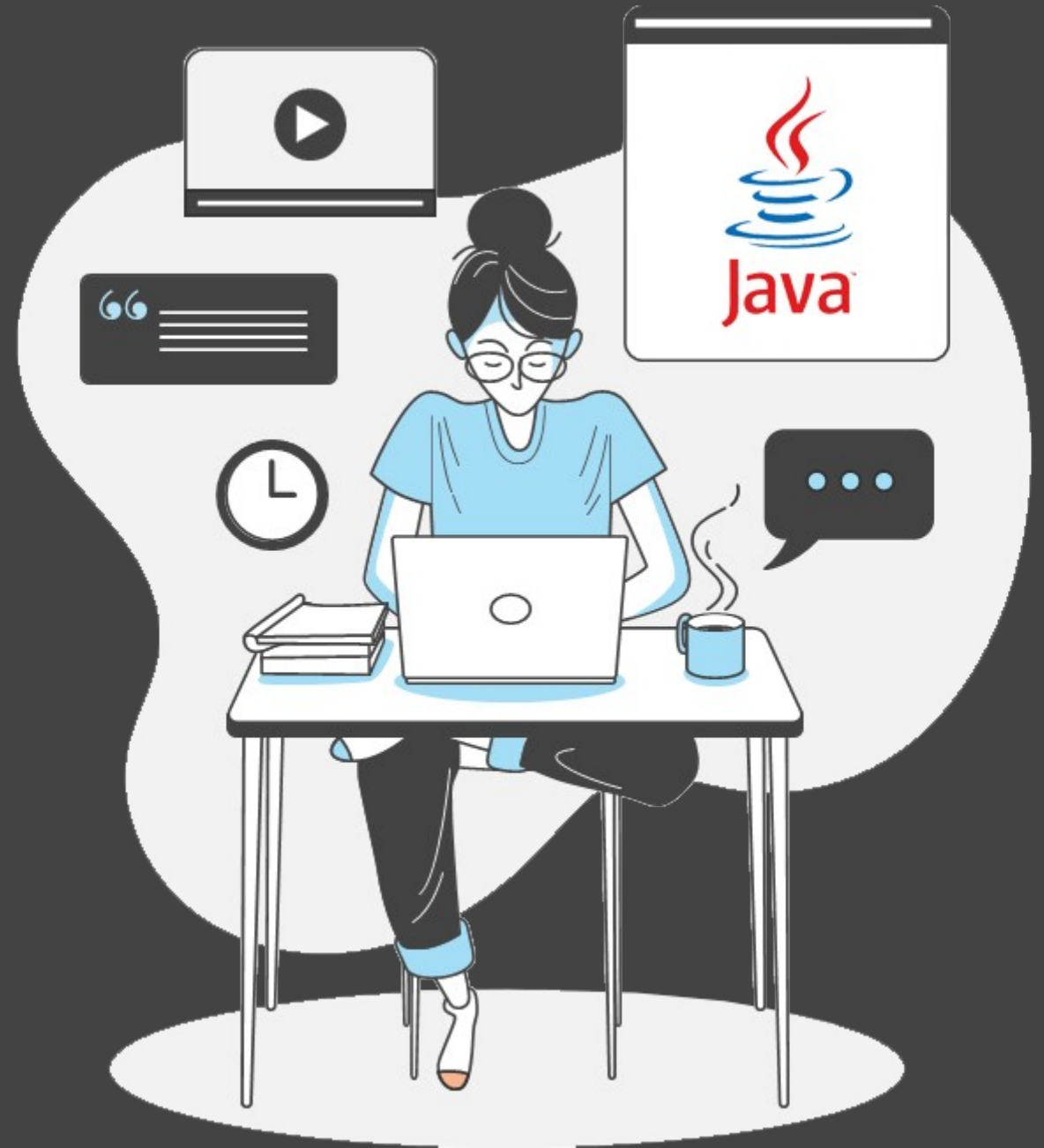
```
public class HelloWorld
{
    public static void main(String[] args) {

        char[] a = {'A', 'S', 'I', 'S', 'H'};
        int i = 4;
        do {
            System.out.print(a[i]);
            i--;
        } while (i > 0);
    }
}
```

ANSWER

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JAVA TECHNICAL PROGRAM



```
public class Main
{
    public static void main(String[] args) {
        int [] array = {1,2,3,4,5};

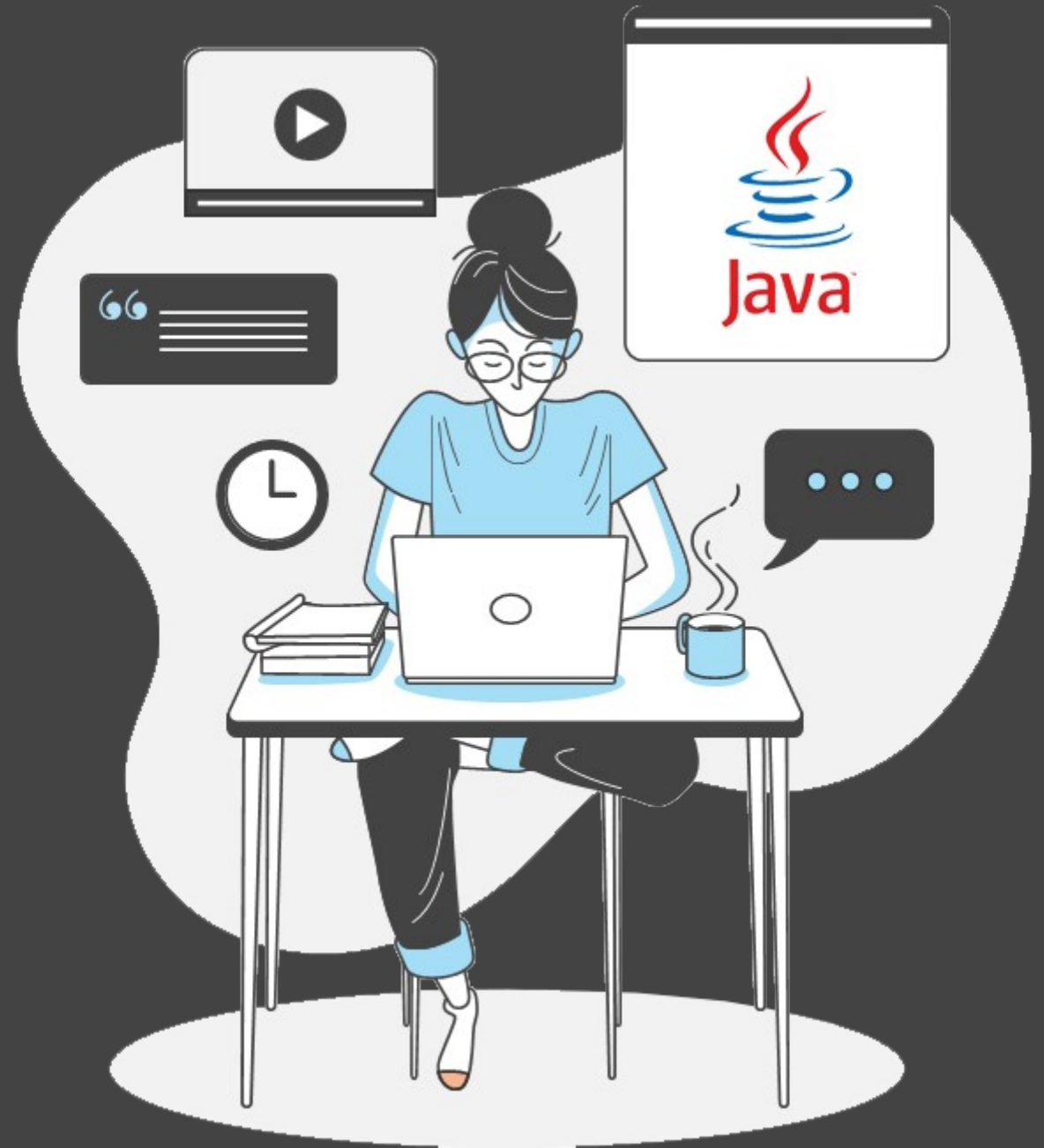
        for(int i = -1; i<5;i++)
            System.out.print(array[i]);

    }
}
```

ANSWER

ArrayIndexOutOfBoundsException

JAVA TECHNICAL PROGRAM



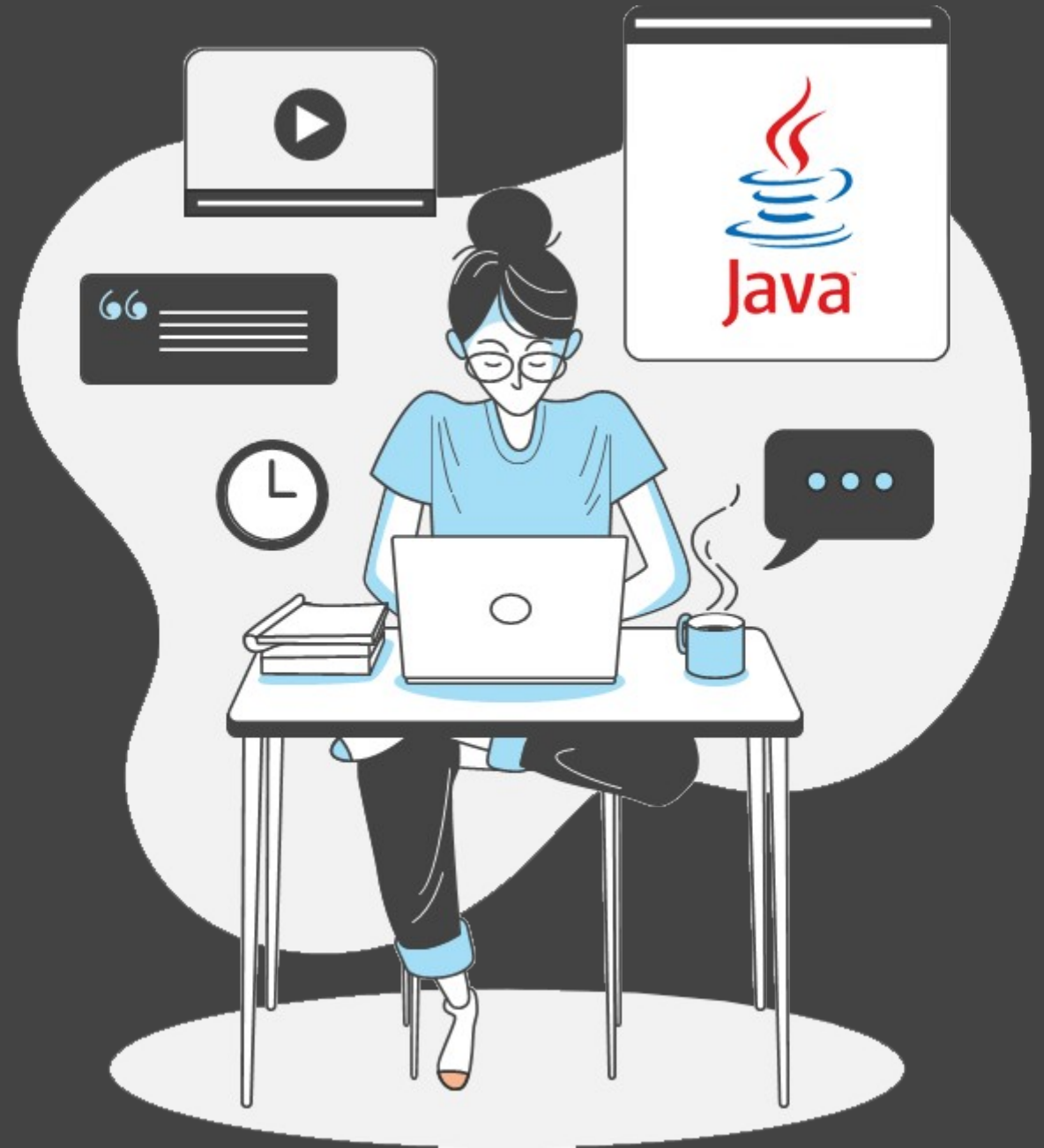

```
public class MyClass
{
    public static void main(String[] args)
    {
        int a = 10;
        System.out.println(++a++);
    }
}
```

ANSWER

Compilation Error

Preincrement & Postincrement operators are not allowed on same variable and same time.

JAVA TECHNICAL PROGRAM

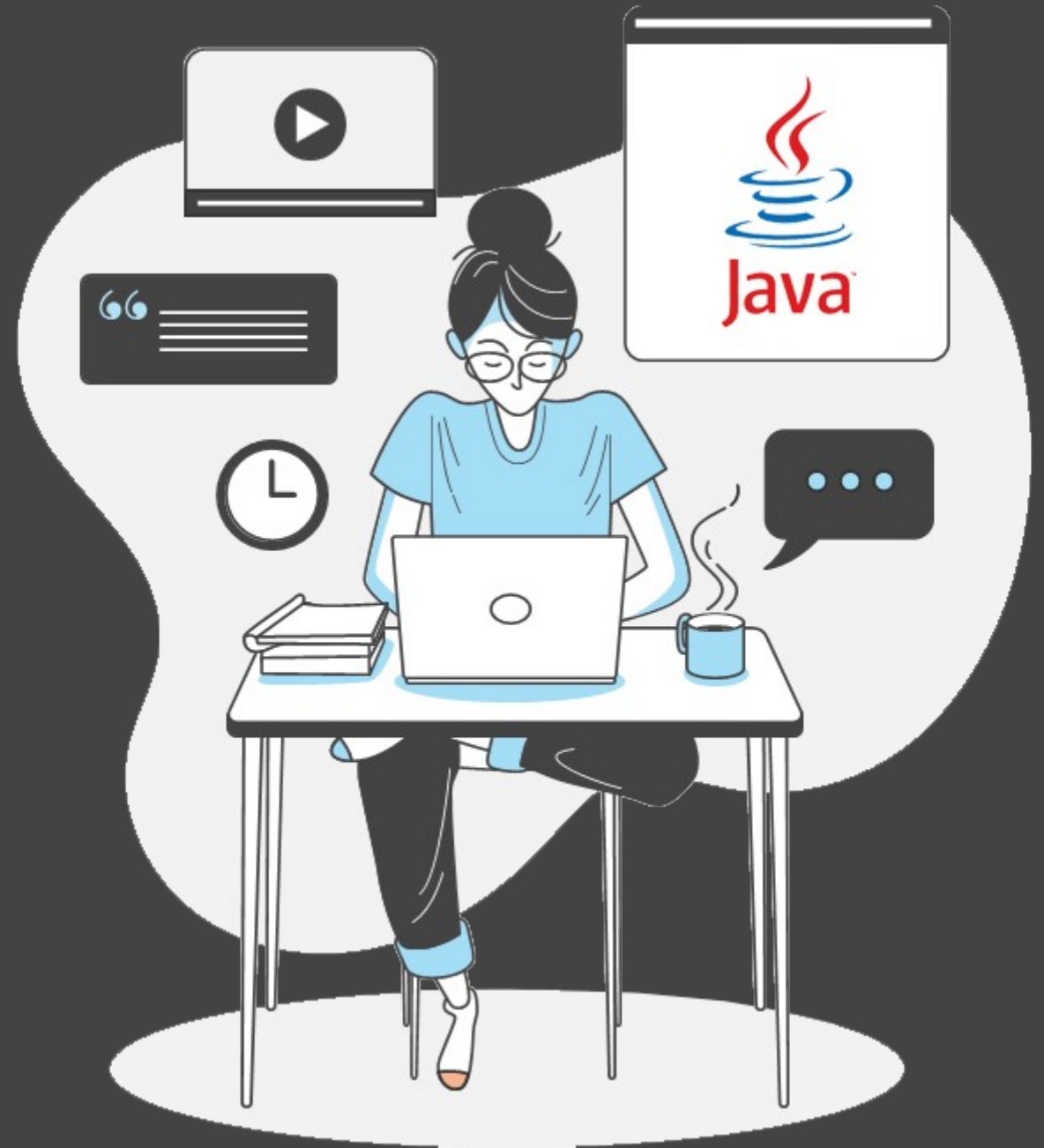


```
public class Main
{
    public static void main(String[] args)
    {
        int a = 'a';
        System.out.print(a);
    }
}
```

ANSWER

97

JAVA TECHNICAL PROGRAM

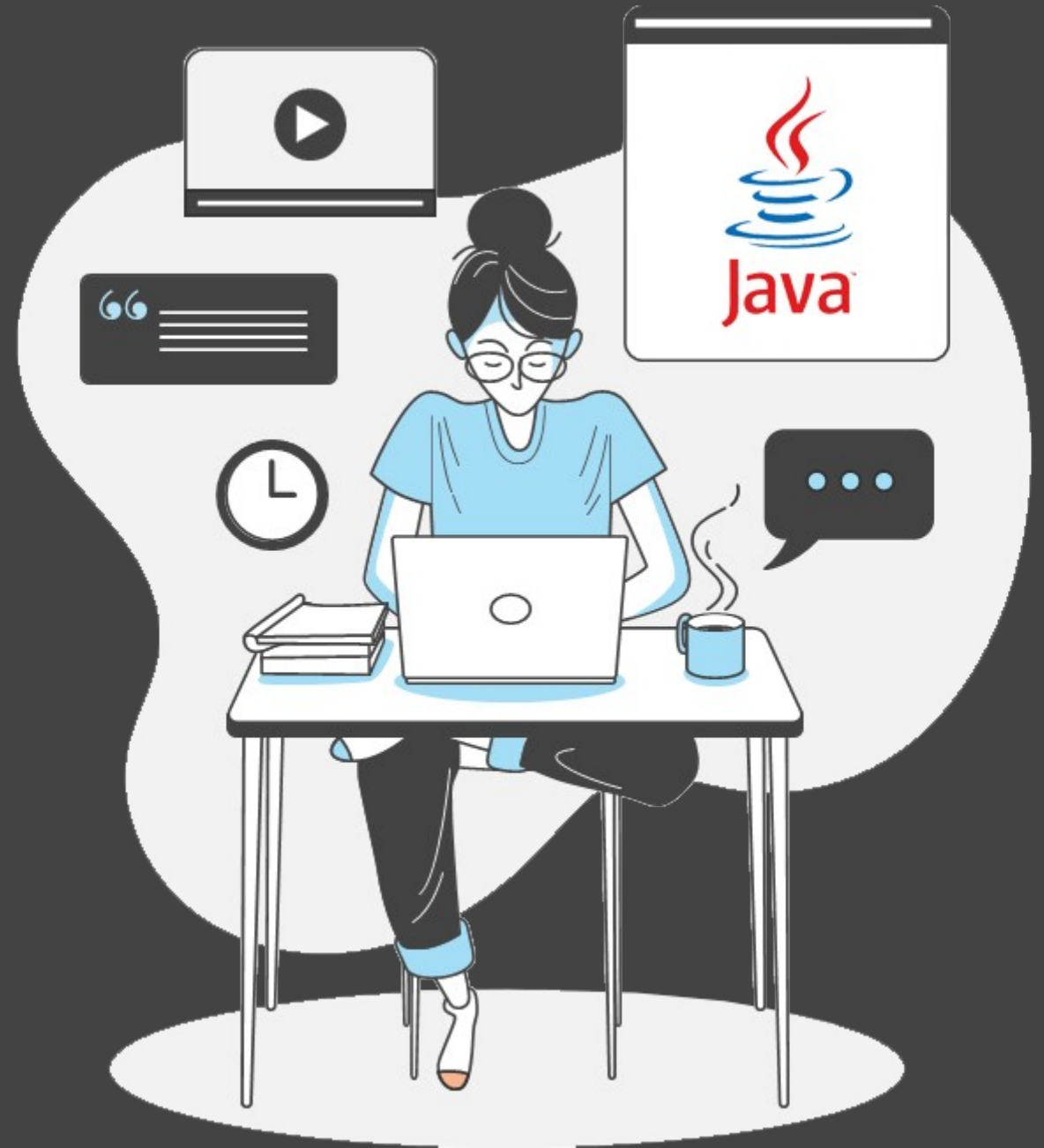


```
public class Main {  
    public static int a;  
    public Main() {  
        a=10;  
    }  
    public static void printMe() {  
        System.out.println(a);  
    }  
    public static void main(S  
        printMe();  
    }  
}
```

ANSWER

0

JAVA TECHNICAL PROGRAM



```
class Main
{
    public static void main(String args[])
    {
        int a =10;
        String b = "10";

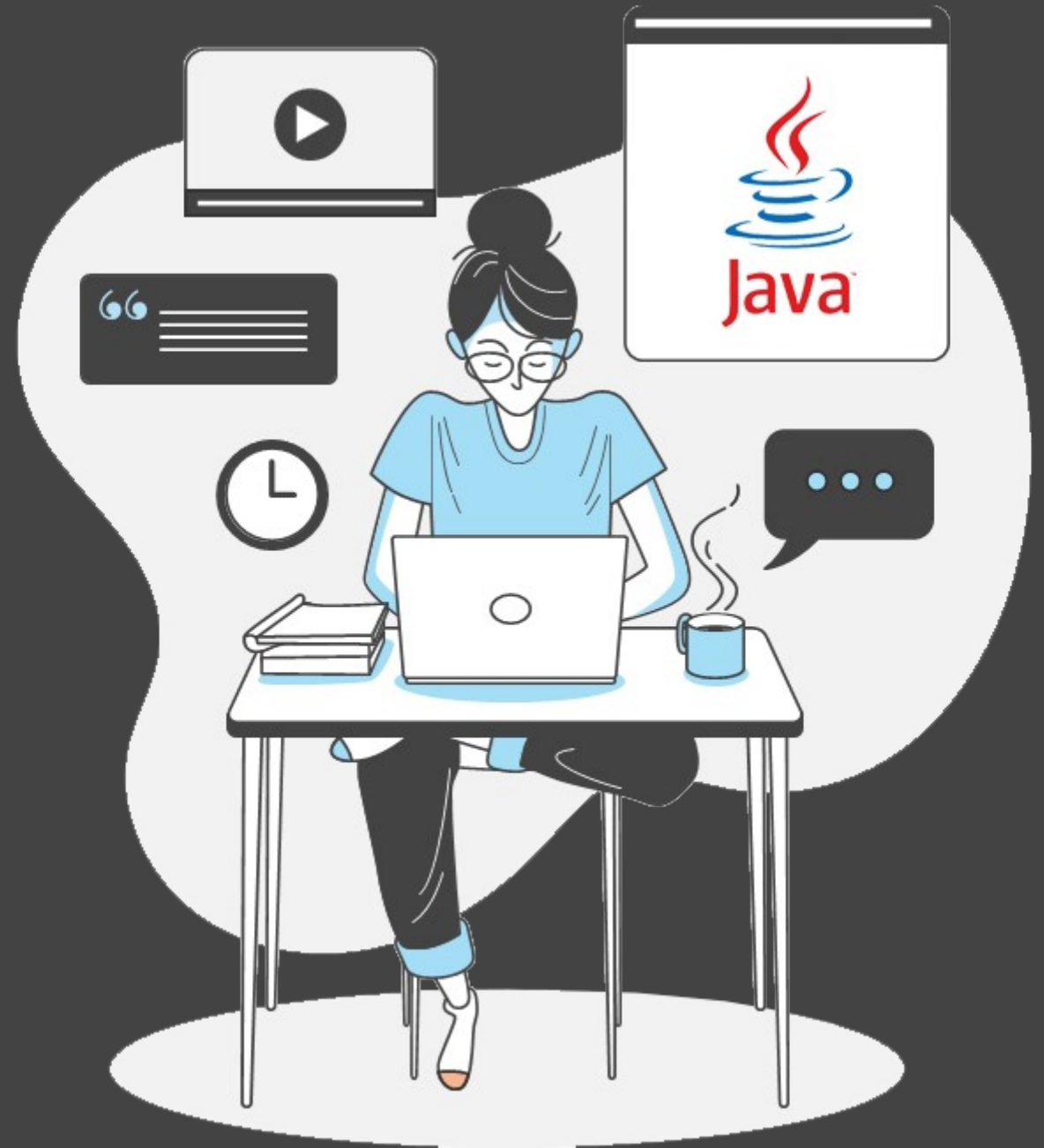
        System.out.println(a+b)

    }
}
```

ANSWER

1010

JAVA TECHNICAL PROGRAM




```
public class Main
{
    public static void main(String args[])
    {
        int a =10;
        String b = "10";

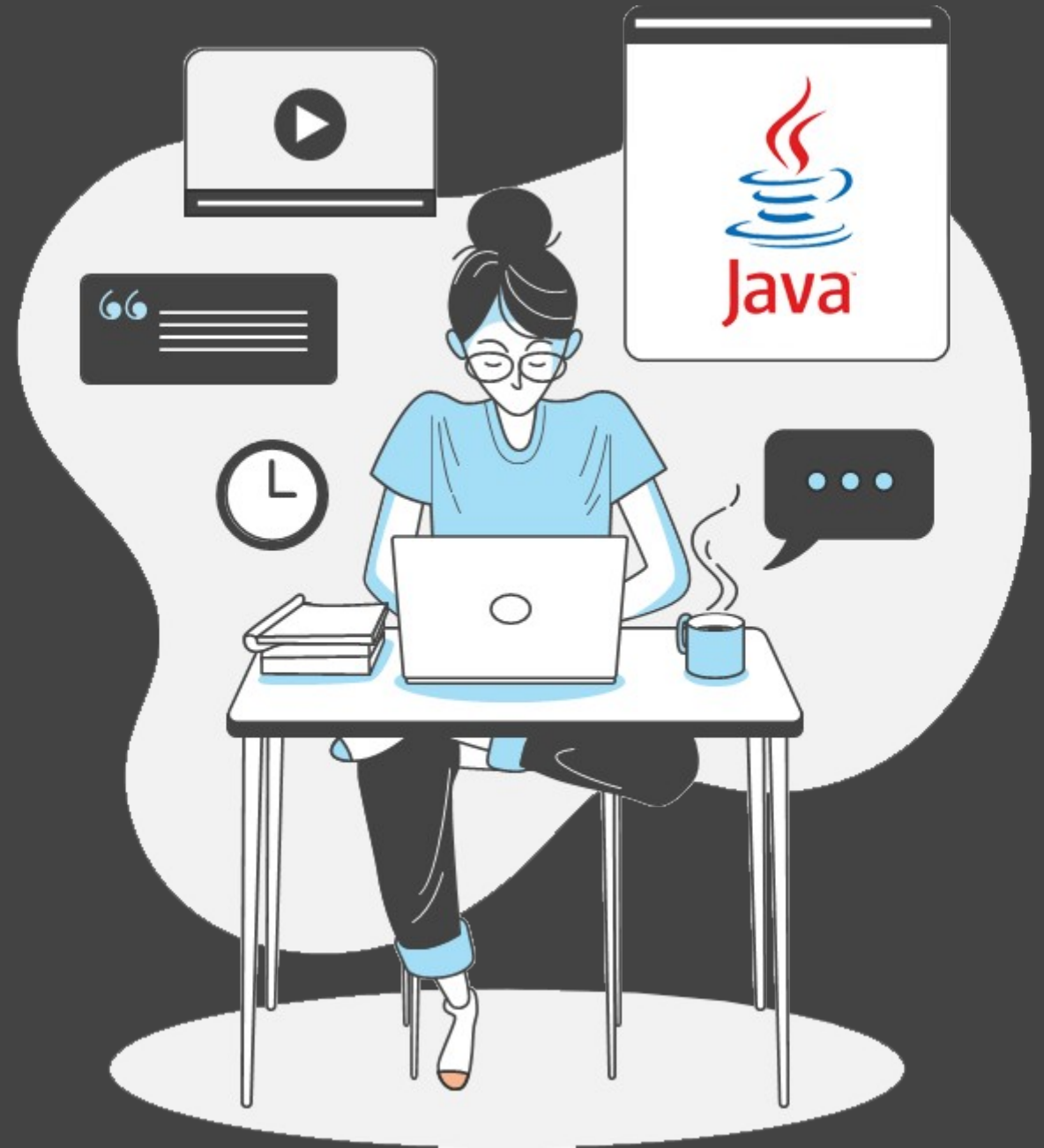
        System.out.println(a-b)

    }
}
```

ANSWER

**Compilation
Error**

JAVA TECHNICAL PROGRAM



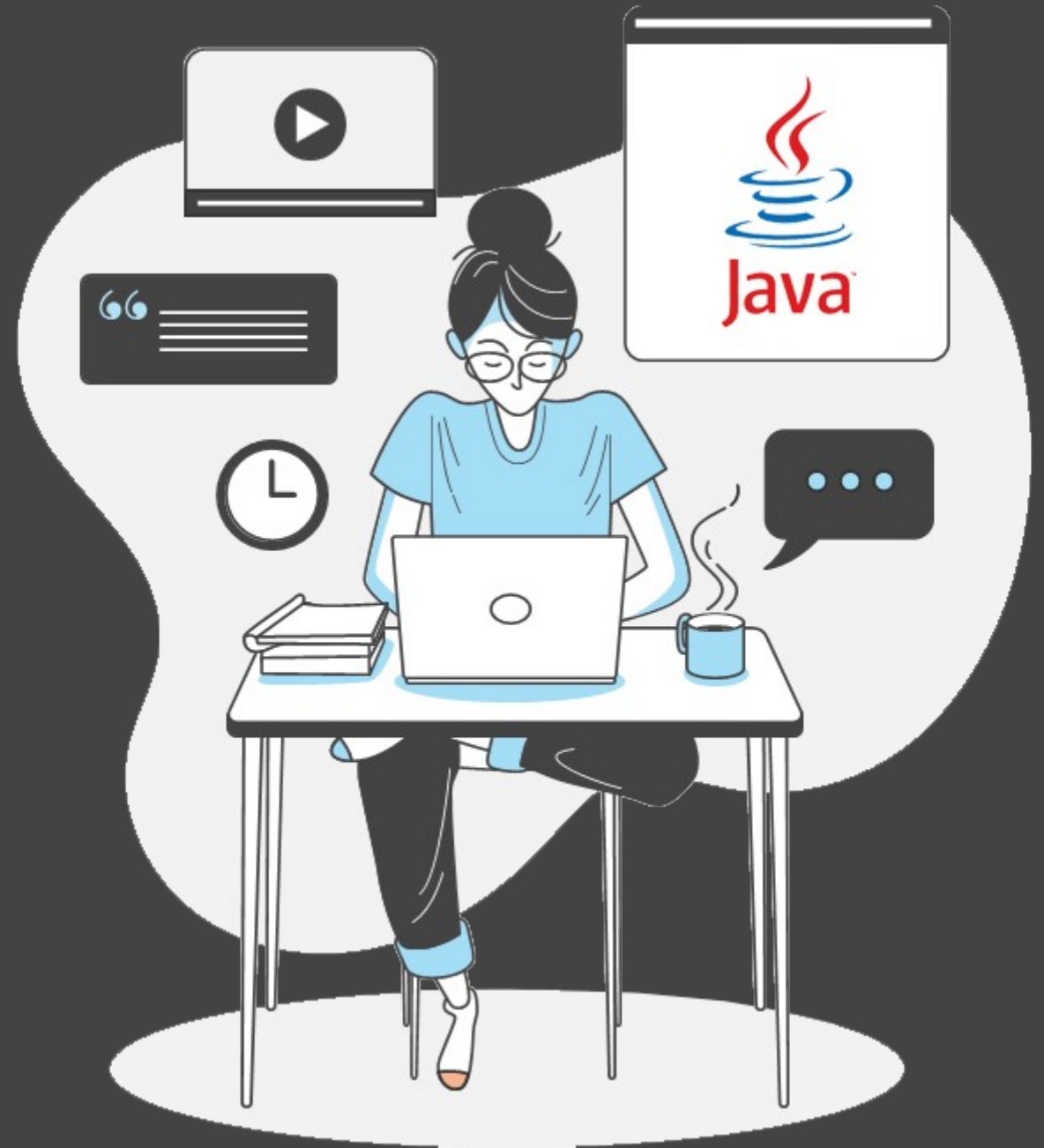
```
public class Main  
{  
    private int a;
```

```
    public static void main(String[] args)  
    {  
        Main obj = new Main();  
        System.out.println(obj.a);  
    }  
}
```

ANSWER

0

JAVA TECHNICAL PROGRAM

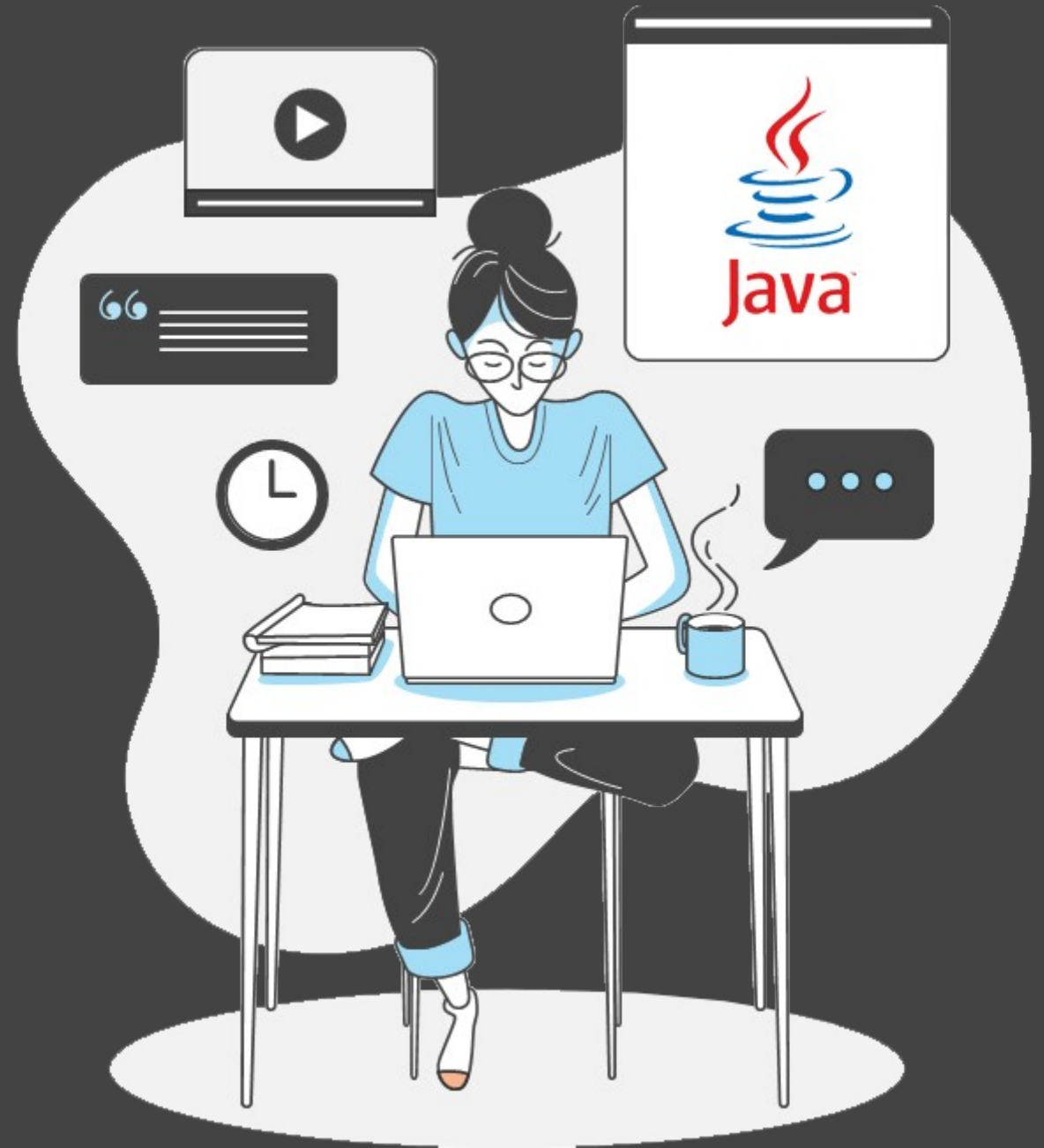


```
public class Main
{
    public static void main(String[] args)
    {
        final int a = 5;
        a = 10;
        System.out.println(a);
    }
}
```

ANSWER

Error: Can't assign a value to final variable a

JAVA TECHNICAL PROGRAM



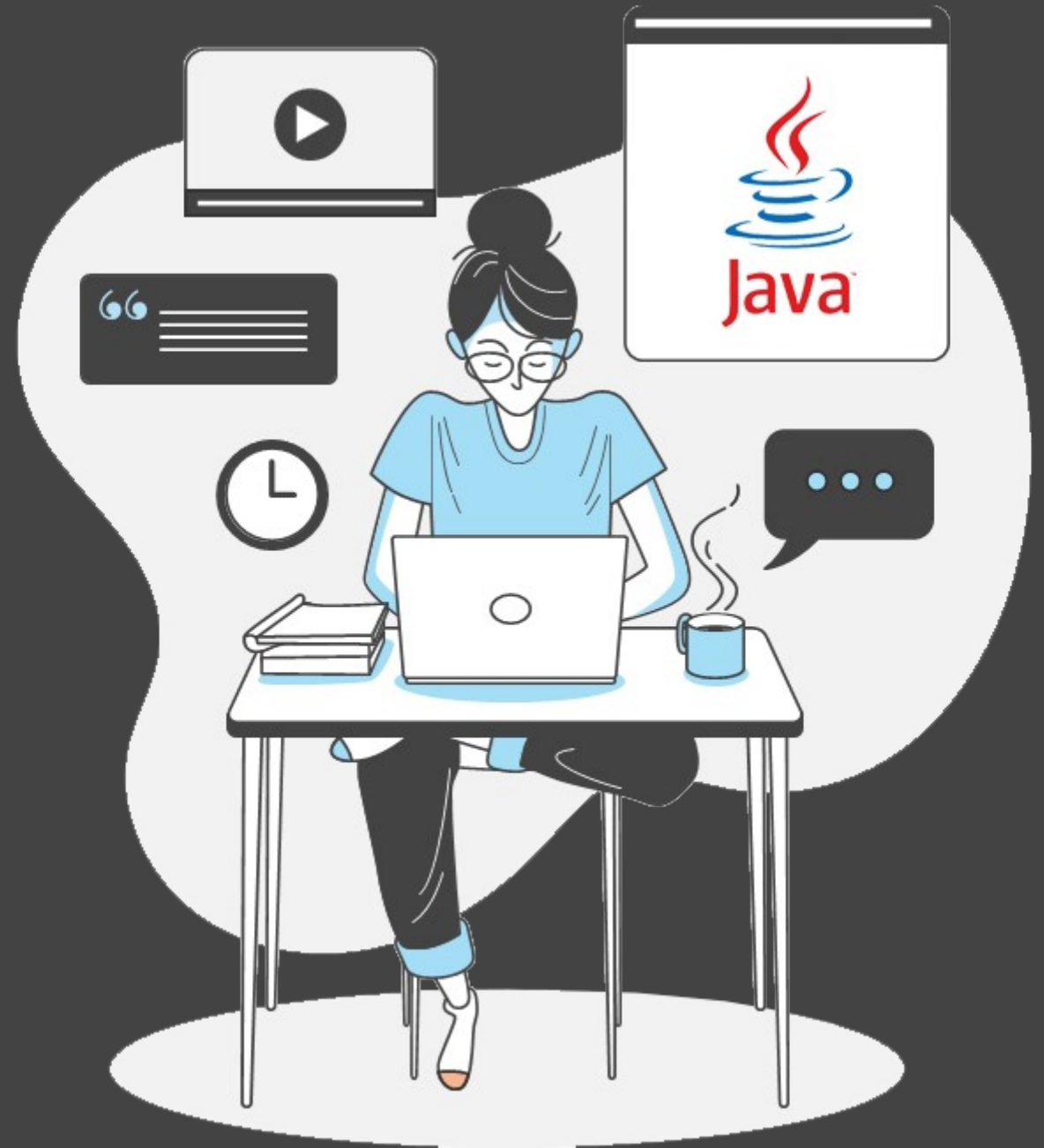
```
public class Main{  
    public static void main(String[] args){  
        int a = 0;  
        a +=5;  
        switch(a){  
            case 5: System.out.print("5");  
            case 10: System.out.print("10");break;  
            default: System.out.print("0");  
        }  
    }  
}
```

ANSWER

510

case 5 & case 10 are executed
because break is missing from
case 5

JAVA TECHNICAL PROGRAM

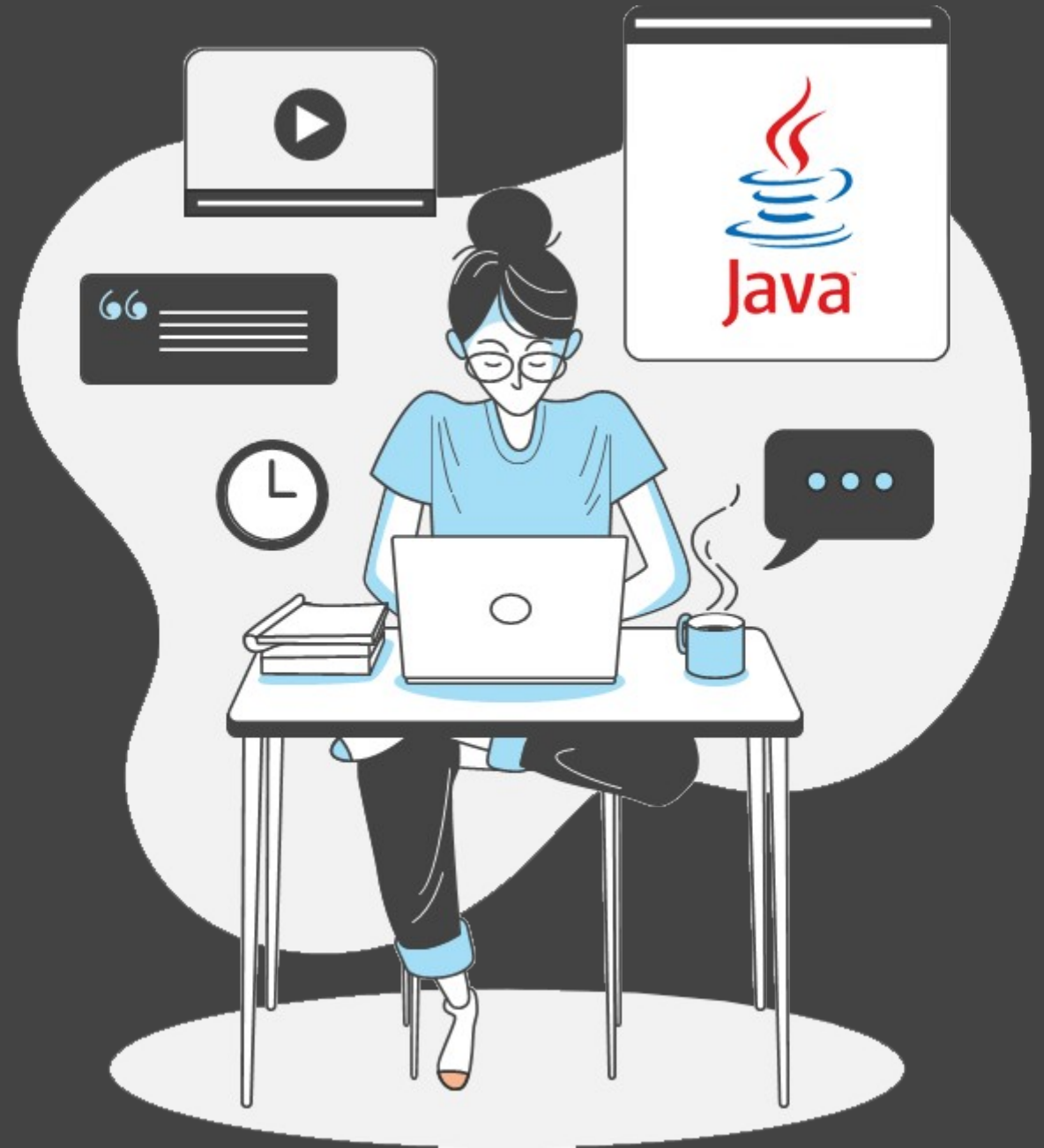



```
public class Main{  
    public static void main(String[] args)  
    {  
        int a = 5;  
        a +=5;  
        switch(a){  
            case 5: System.out.print("5");break;  
            case 10: System.out.print("10");  
            default: System.out.print("default");  
        }  
    }  
}
```

ANSWER

100

JAVA TECHNICAL PROGRAM

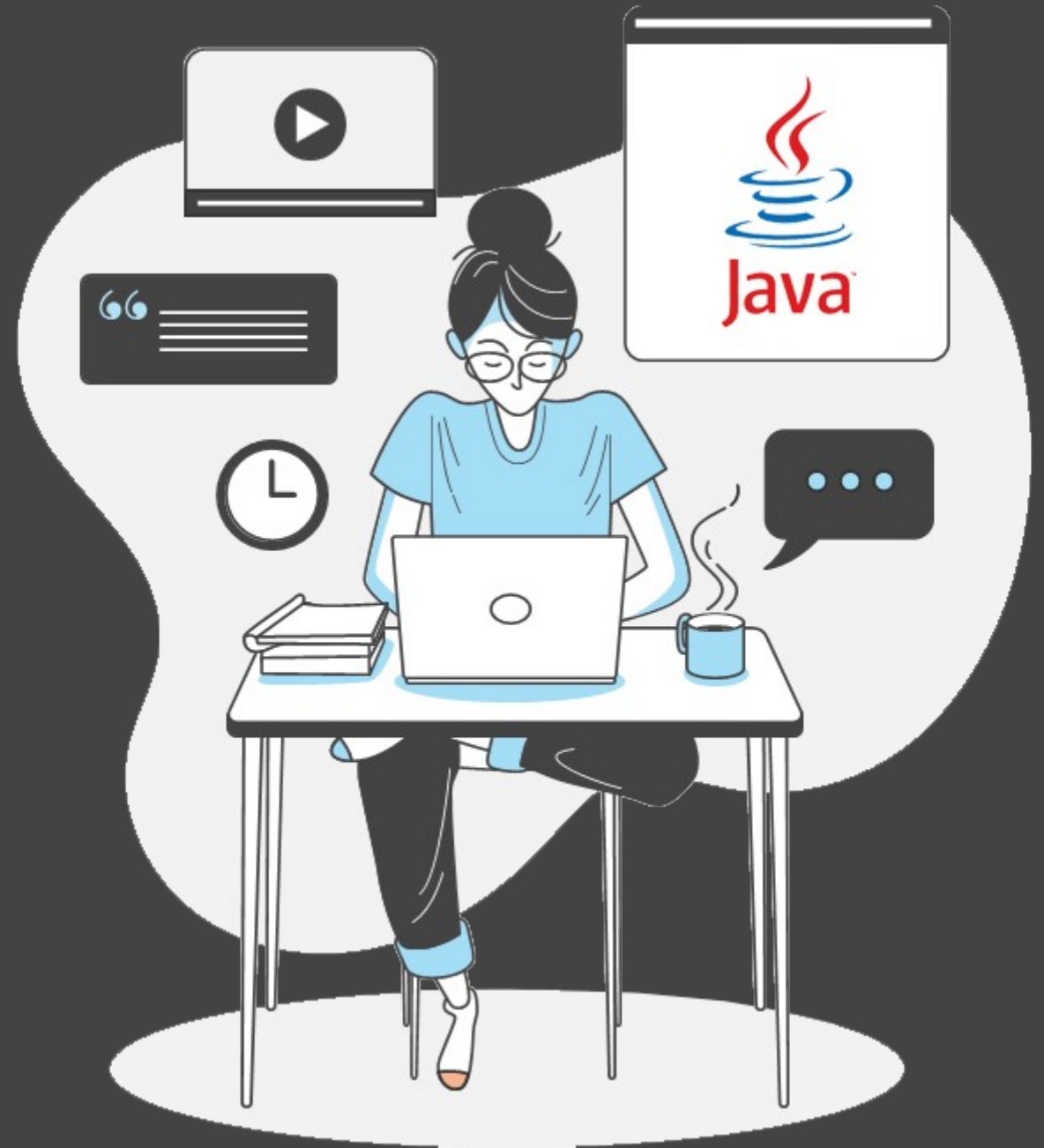


```
public class Main
{
    public static void main(String[] args) {
        if(0){
            System.out.println("Sun");
        }
        else{
            System.out.println("ANSWER")
        }
    }
}
```

Error

Because int can not be converted to boolean

JAVA TECHNICAL PROGRAM



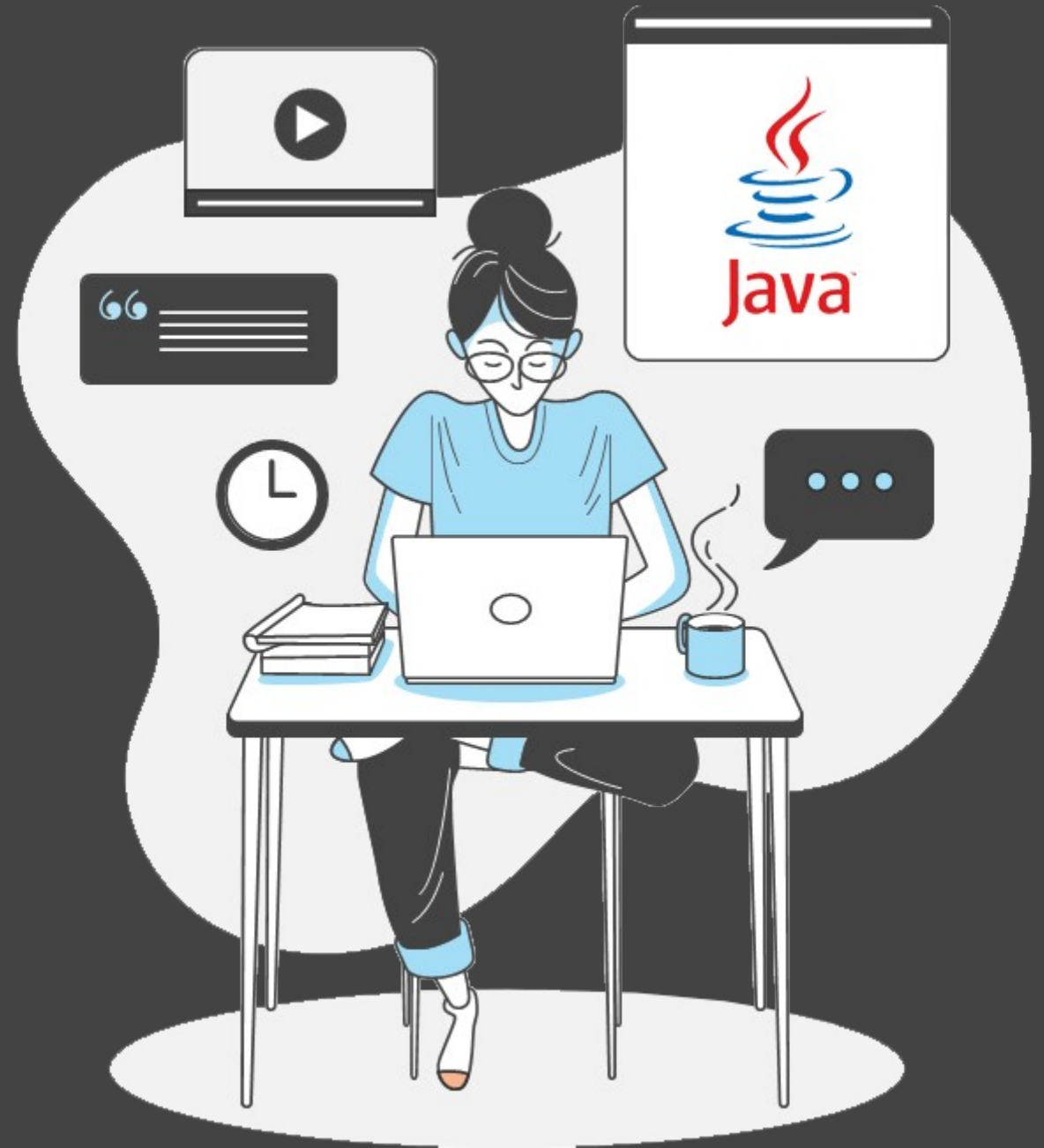
```
public class Main
{
    public void sum(int a, int b){
        System.out.print(a+b);
    }
    public static void main(String[] args) {
        sum(0,0);
        sum(-1,-1);
    }
}
```

ANSWER

Error

non-static method can't be called

JAVA TECHNICAL PROGRAM

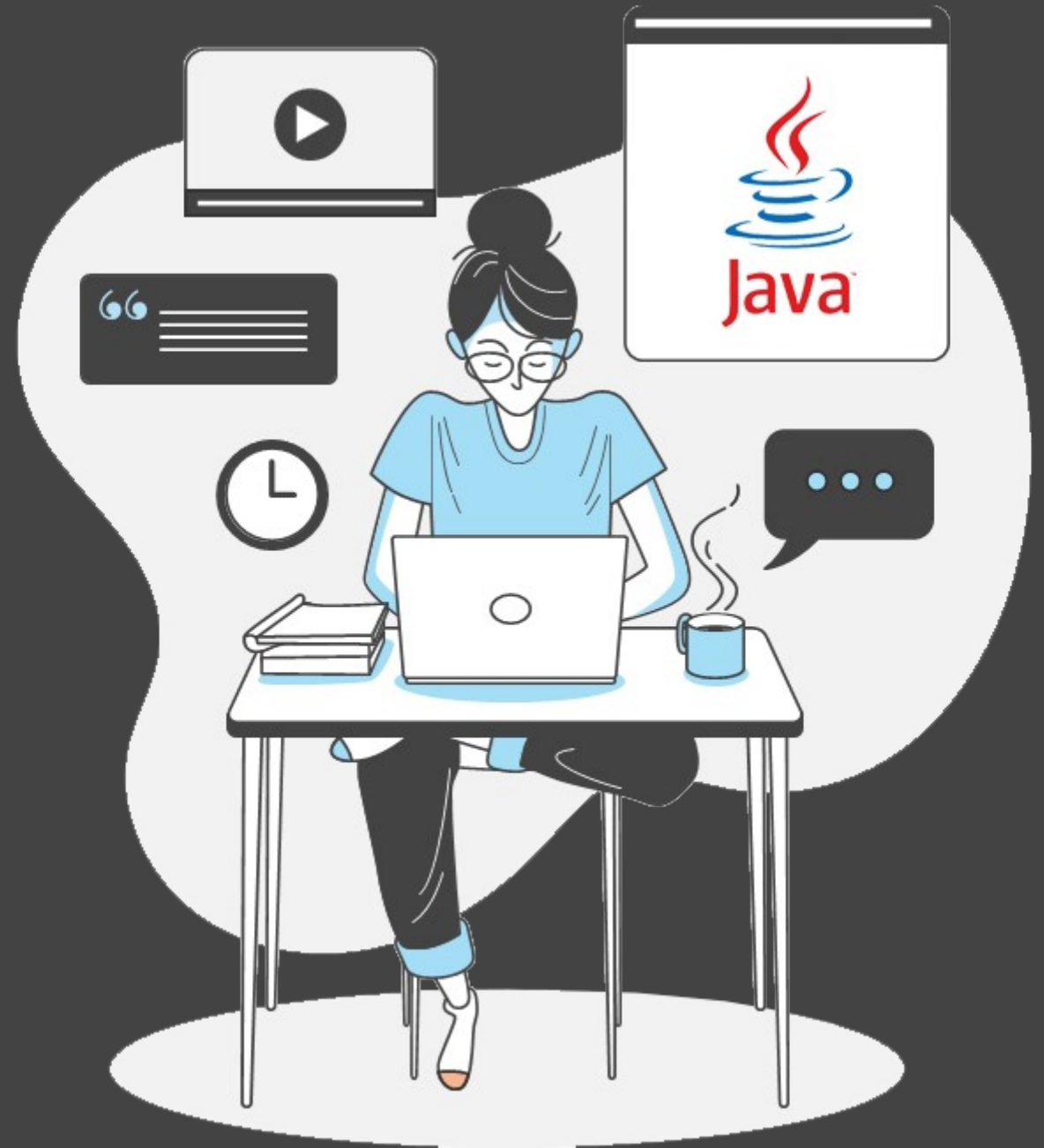


```
public class Main
{
    public static void main(String[] args)
    {
        String input = " c++ java android ";
        input = input.trim();
        System.out.println(input.length());
    }
}
```

ANSWER

16

JAVA TECHNICAL PROGRAM

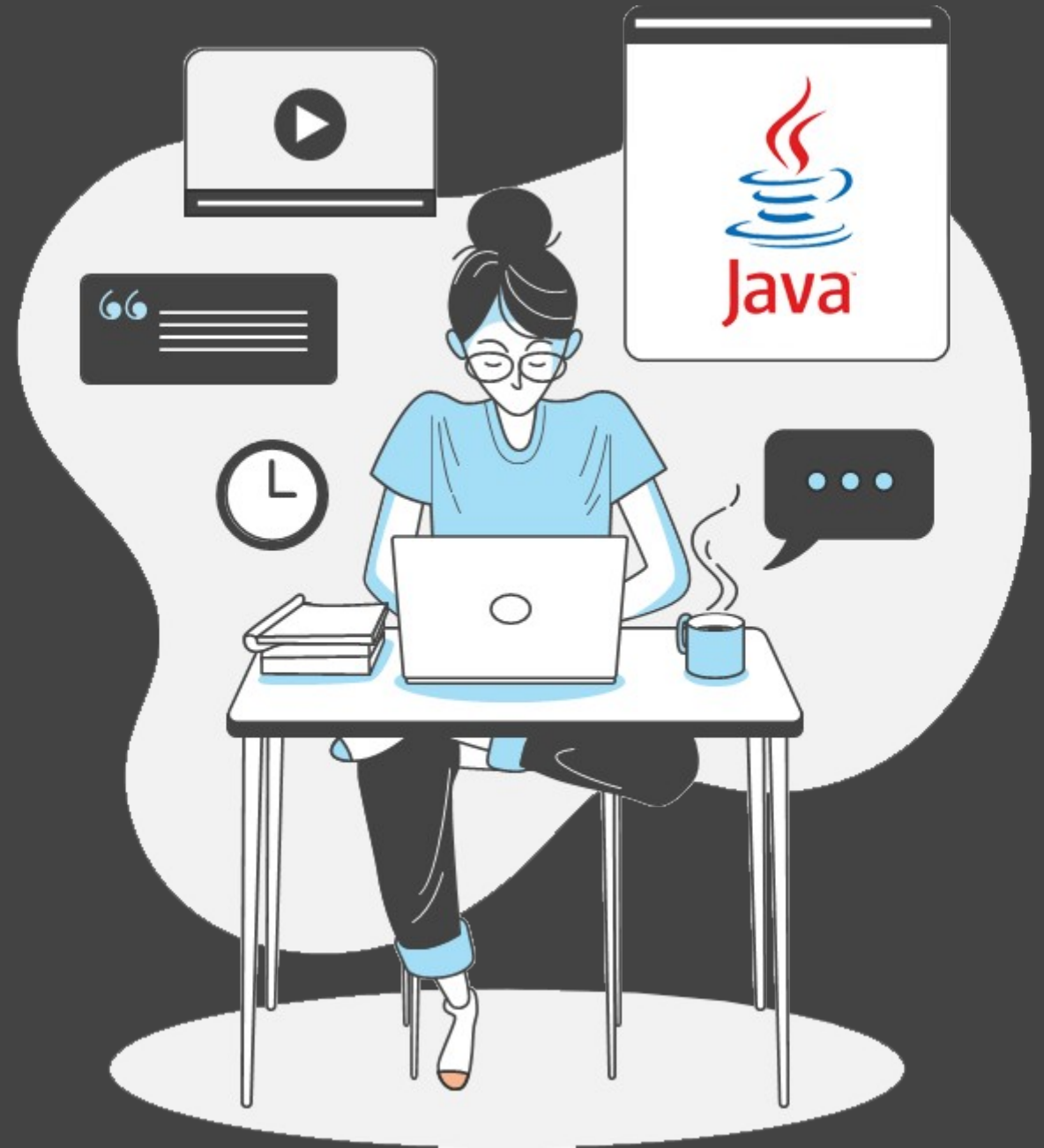



```
public class Main
{
    public static void main(String[] args) {
        String input = " android ";
        input = input.trim();
        System.out.print(input.length());
        input= input + " ";
        input= input + " ";
        System.out.print(input.length());
    }
}
```

ANSWER

79

JAVA TECHNICAL PROGRAM



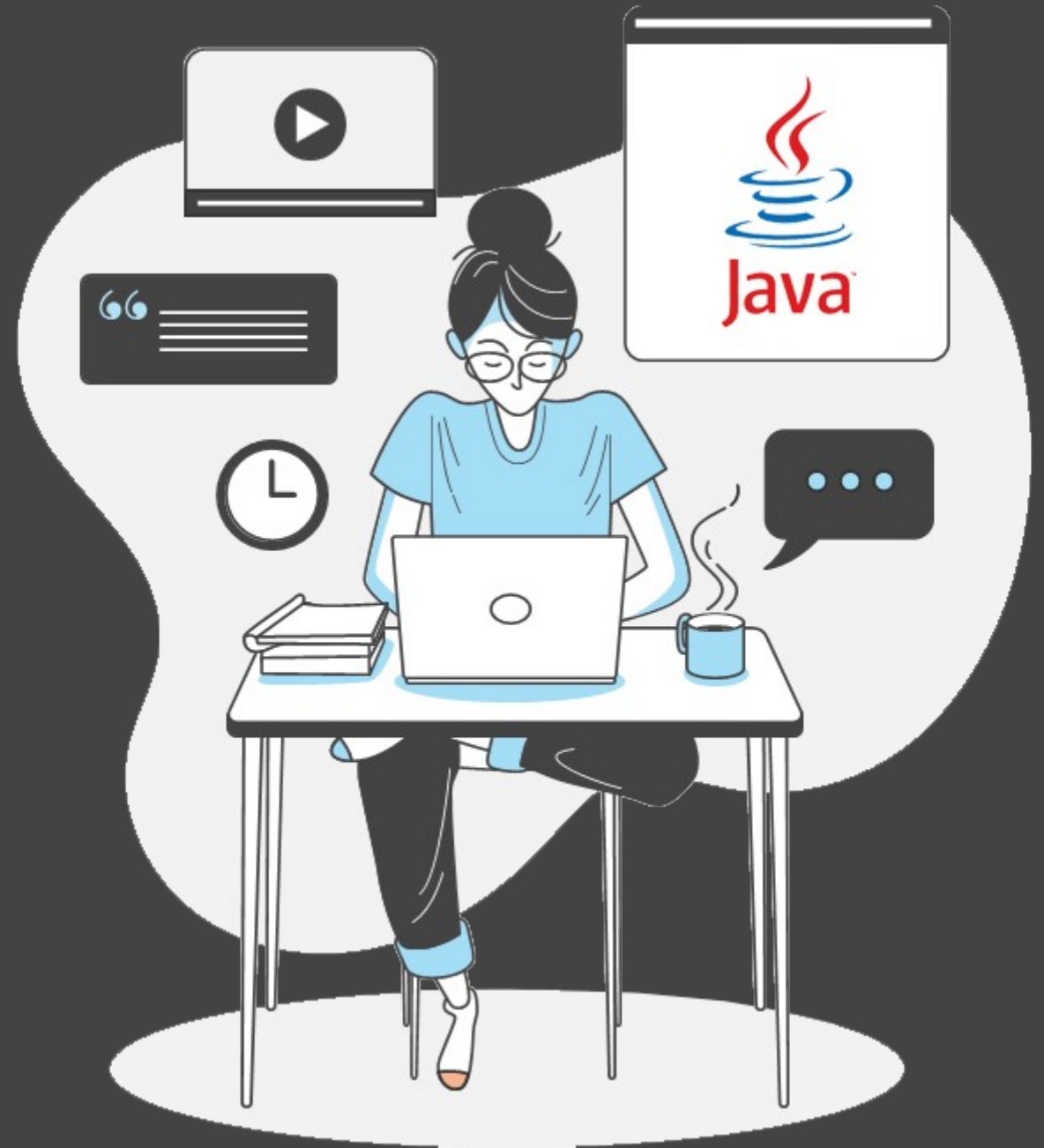
```
class Abc{  
    private void sum(){  
        System.out.println("hi");  
    }  
}  
public class Main  
{  
    public static void main(String[] args) {  
        Abc obj = new Abc();  
        obj.sum();  
    }  
}
```

ANSWER

Error

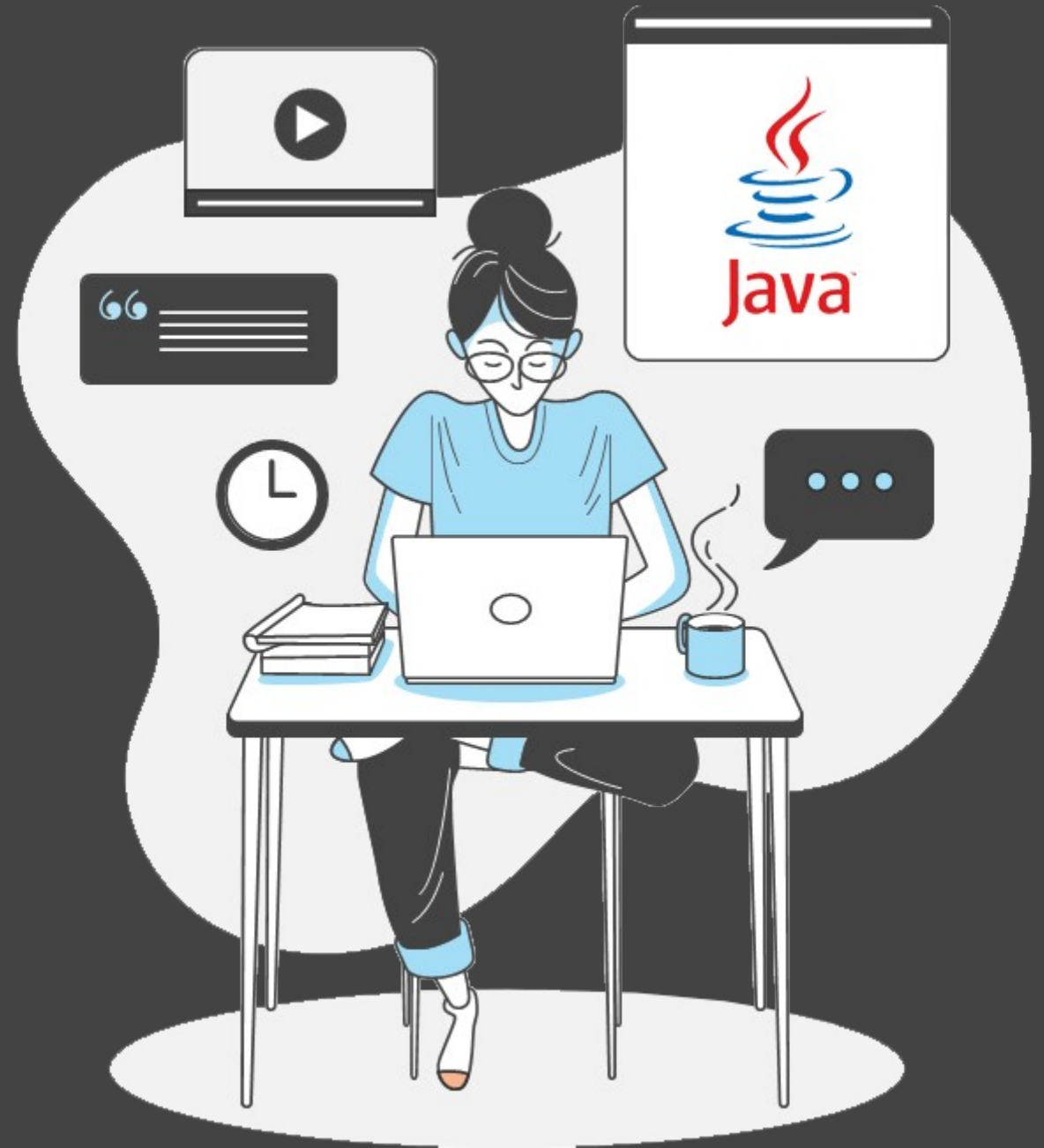
sum() has private access

JAVA TECHNICAL PROGRAM



Write a program to overload main method in java

JAVA TECHNICAL PROGRAM



```
class Main {  
    public static void main( String args[]) {  
        System.out.println( "Hi" );  
        System.out.println(main(10,20));  
        System.out.println(main(10.5f,20.5f));  
        System.out.println(main('a'));  
    }  
    public static int main(int a,int b)    {    return a +  
b;    }  
    public static float main(float a,float b)  
{    return a + b;    }  
    public static char main(char a)    {    return a;
```

NOTES



PROGRAMS



TECHNICAL
TRICKY
PROGRAMS



INTERVIEW
QUESTIONS



PROJECTS



RESUME
PREPARATION



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