OOP EXPERIMENT-1

NAME-ANMOL

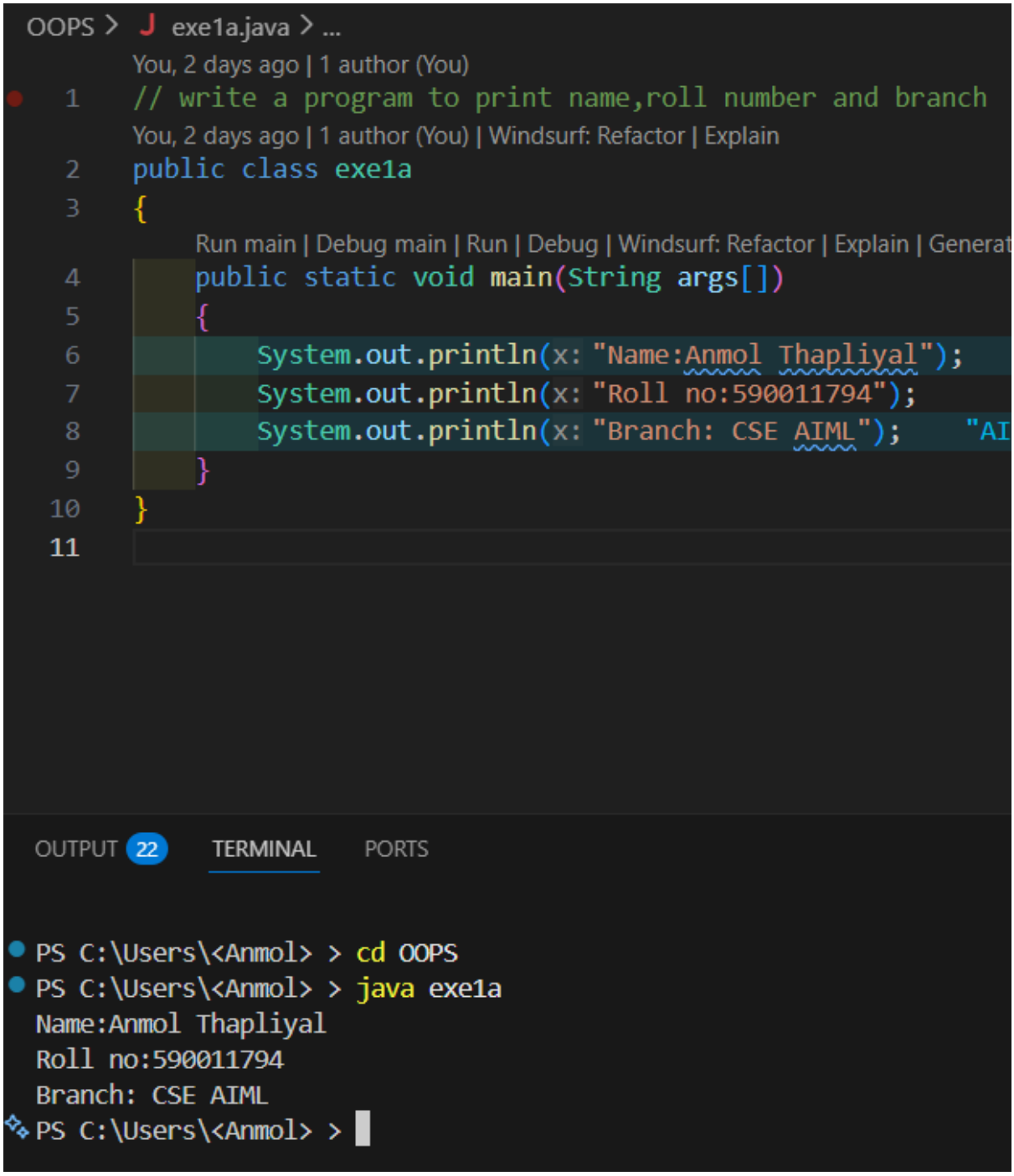
SAP-590011794

BATCH-20

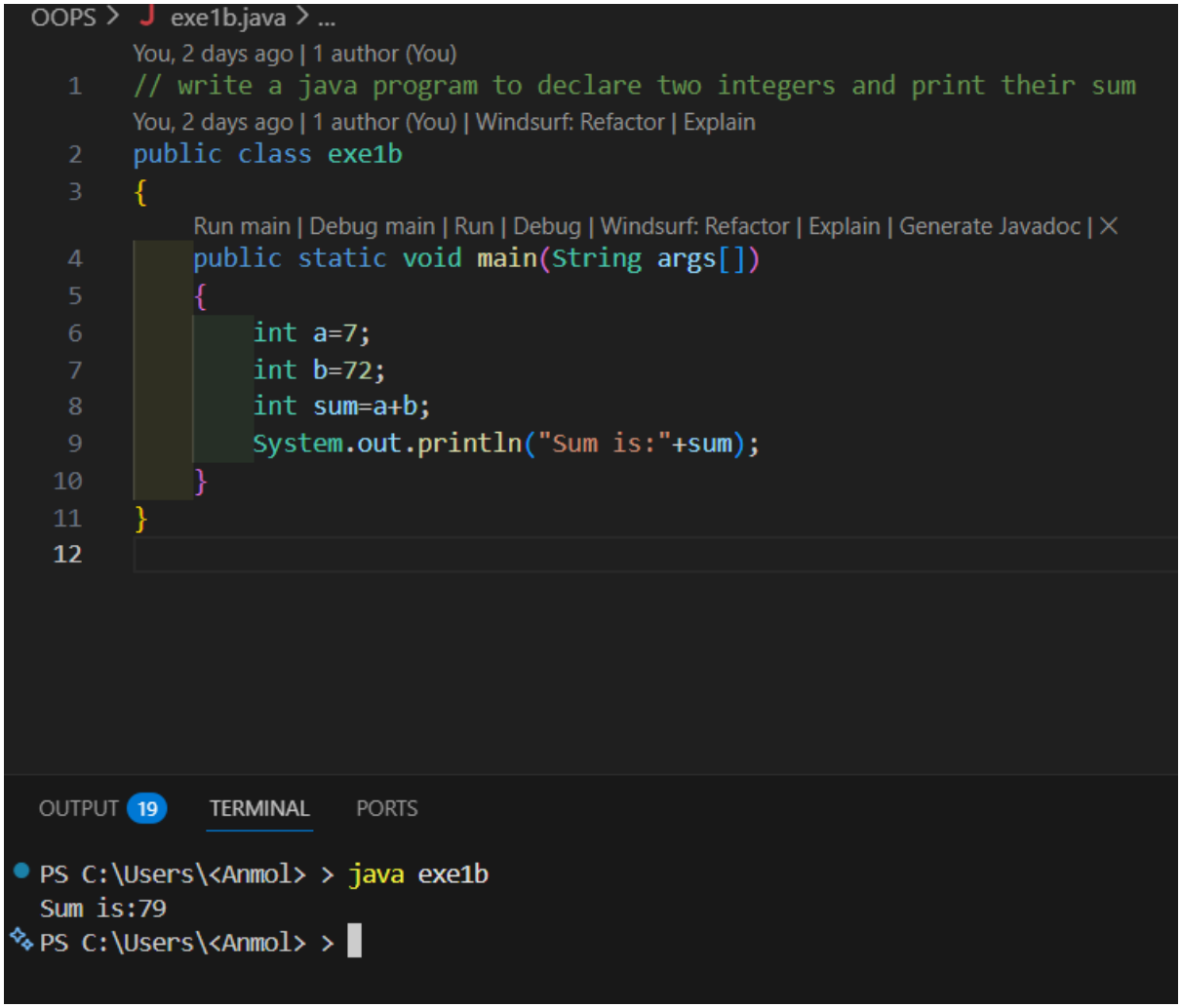
DATE-1 FEB 2026

SUBMITTED TO- PROF. Kalluri Shareef Babu

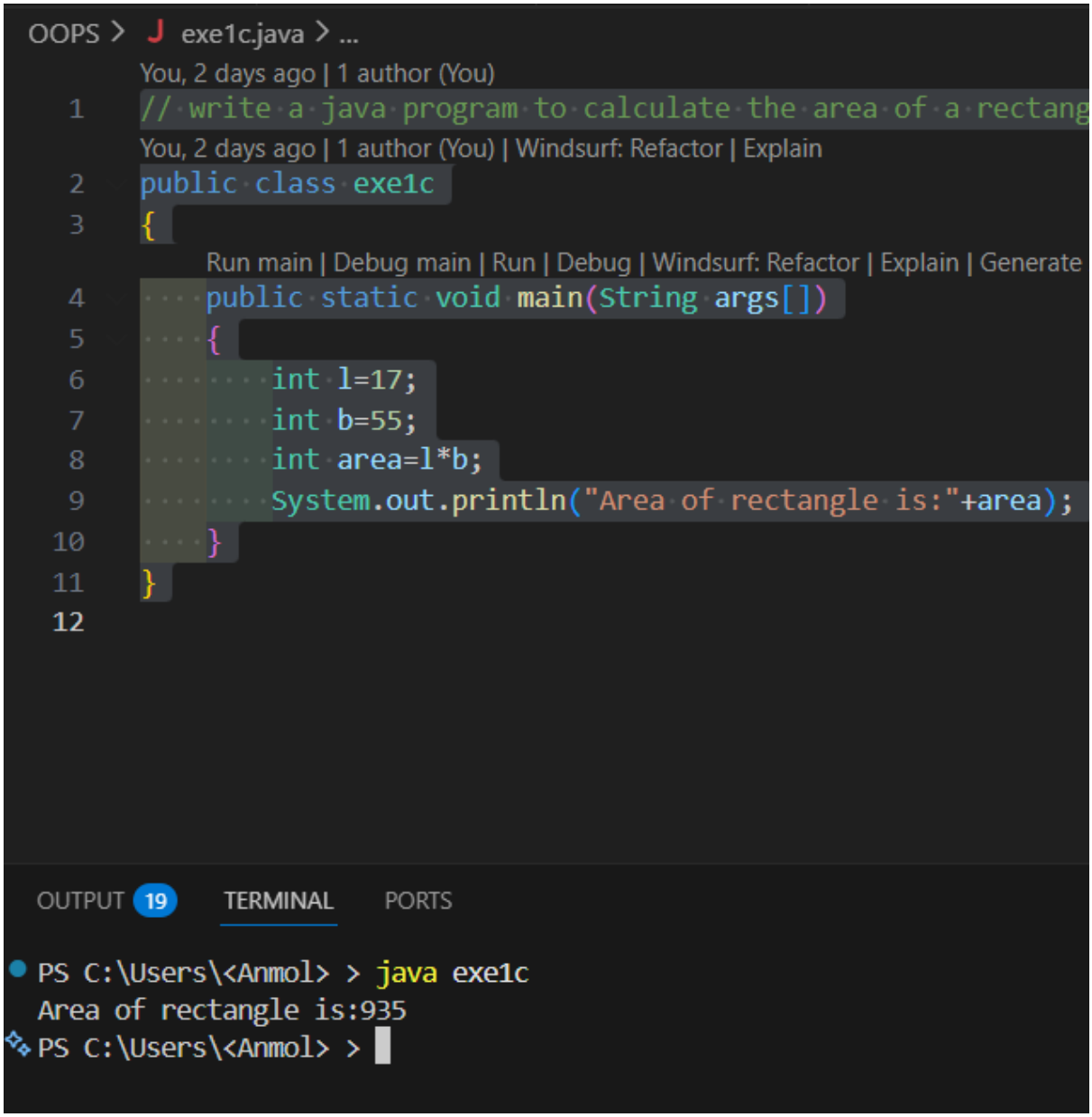
EX 1A


OOPS > exe1a.java > ...
You, 2 days ago | 1 author (You)
// write a program to print name,roll number and branch
You, 2 days ago | 1 author (You) | Windsurf: Refactor | Explain
public class exe1a
{
Run main | Debug main | Run | Debug | Windsurf: Refactor | Explain | Generat
public static void main(String args[])
{
System.out.println(x: "Name:Anmol Thapliyal");
System.out.println(x: "Roll no:590011794");
System.out.println(x: "Branch: CSE AIML");
}
}
OUTPUT 22
TERMINAL
PORTS
PS C:\Users\<Anmol> > cd OOPS
PS C:\Users\<Anmol> > java exe1a
Name:Anmol Thapliyal
Roll no:590011794
Branch: CSE AIML
PS C:\Users\<Anmol> >

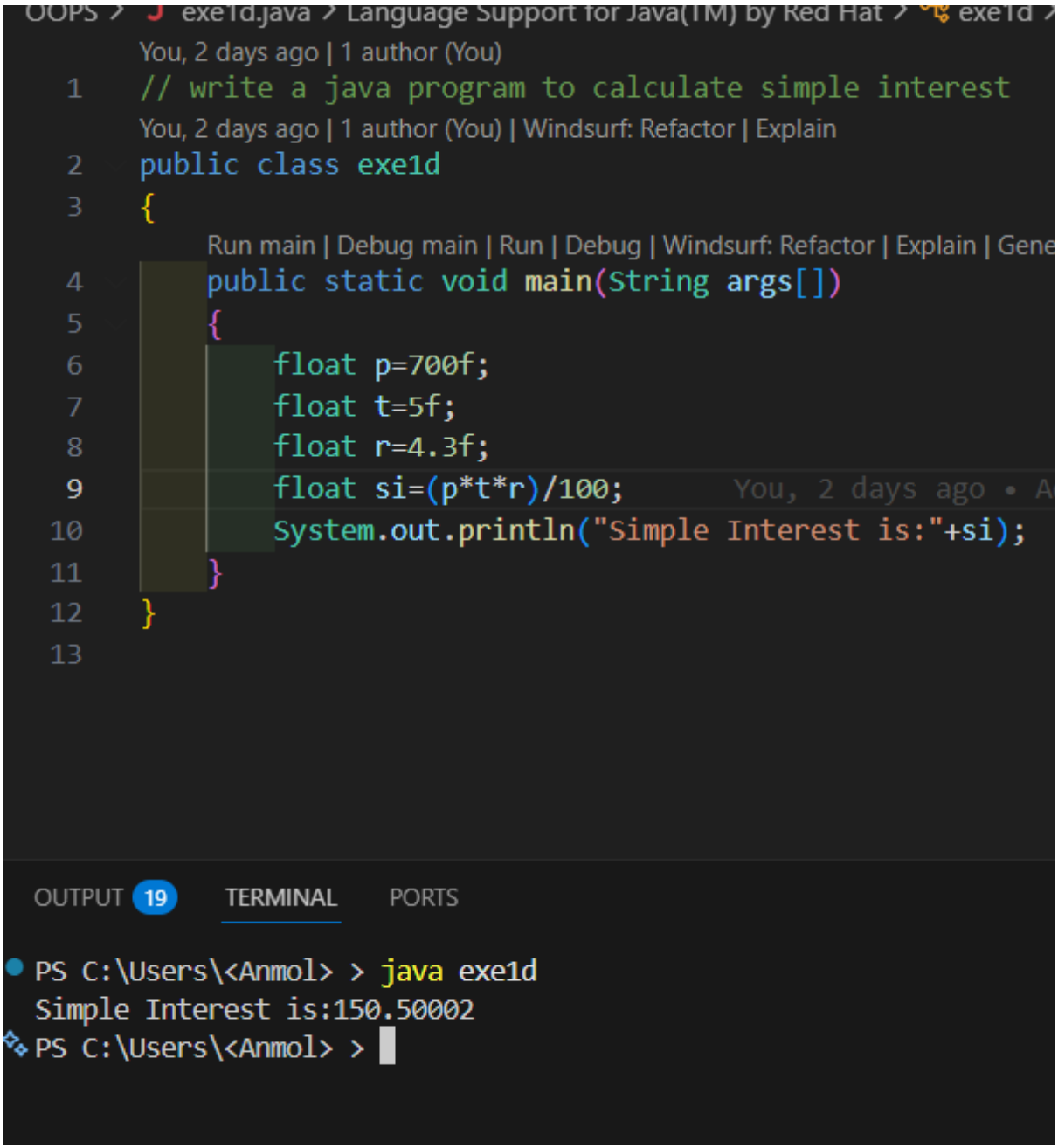
EX 1B


OOPS > exe1b.java > ...
You, 2 days ago | 1 author (You)
// write a java program to declare two integers and print their sum
You, 2 days ago | 1 author (You) | Windsurf: Refactor | Explain
public class exe1b
{
Run main | Debug main | Run | Debug | Windsurf: Refactor | Explain | Generate Javadoc |
public static void main(String args[])
{
int a=7;
int b=72;
int sum=a+b;
System.out.println("Sum is:"+sum);
}
}
OUTPUT 19
TERMINAL
PORTS
PS C:\Users\<Anmol> > java exe1b
Sum is:79
PS C:\Users\<Anmol> >

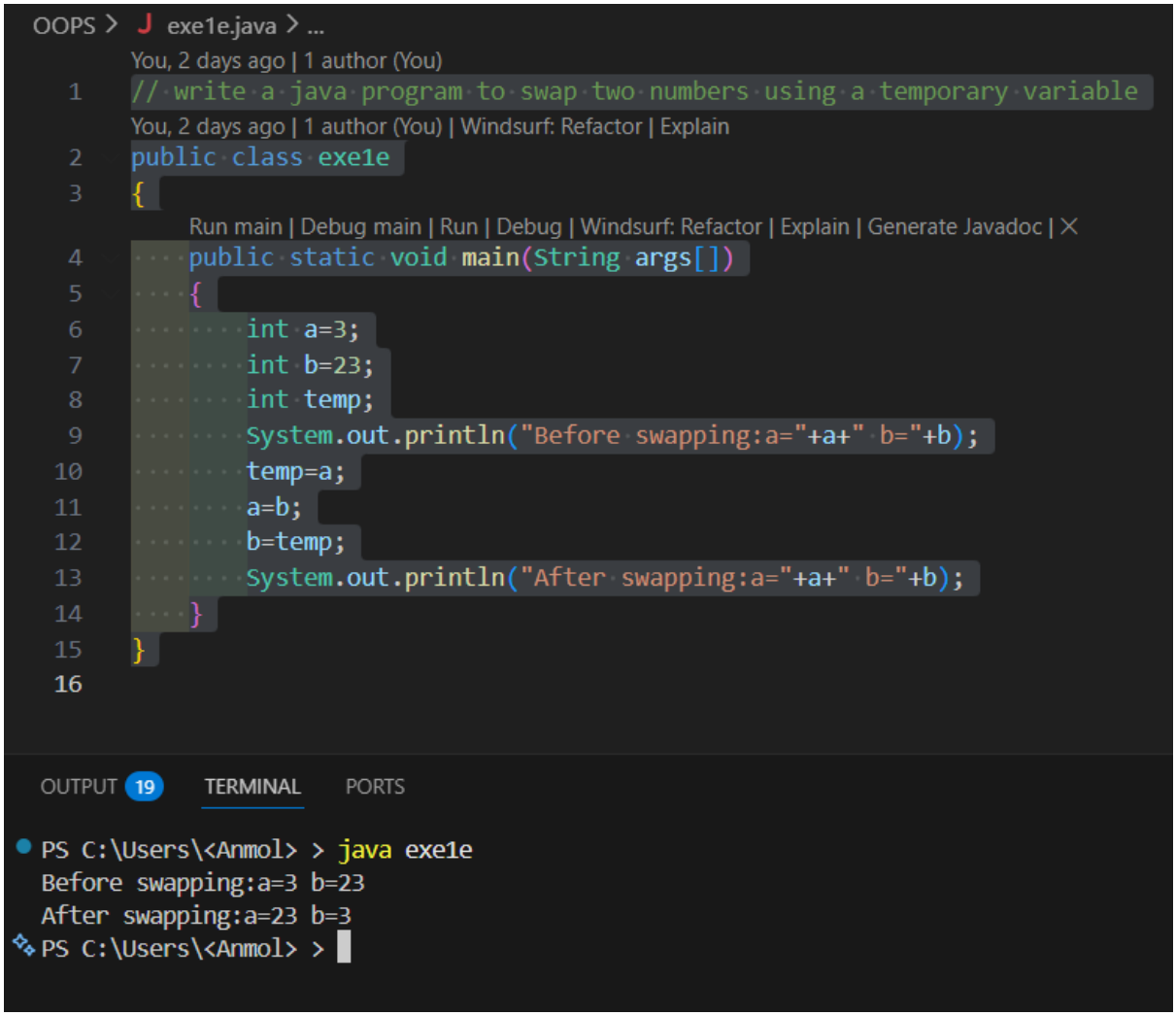
EX 1C


OOPS > exe1c.java > ...
You, 2 days ago | 1 author (You)
// write a java program to calculate the area of a rectang
You, 2 days ago | 1 author (You) | Windsurf: Refactor | Explain
public class exe1c
{
Run main | Debug main | Run | Debug | Windsurf: Refactor | Explain | Generate
public static void main(String args[])
{
int l=17;
int b=55;
int area=l*b;
System.out.println("Area of rectangle is:"+area);
}
}
OUTPUT 19
TERMINAL
PORTS
PS C:\Users\<Anmol> > java exe1c
Area of rectangle is:935
PS C:\Users\<Anmol> >

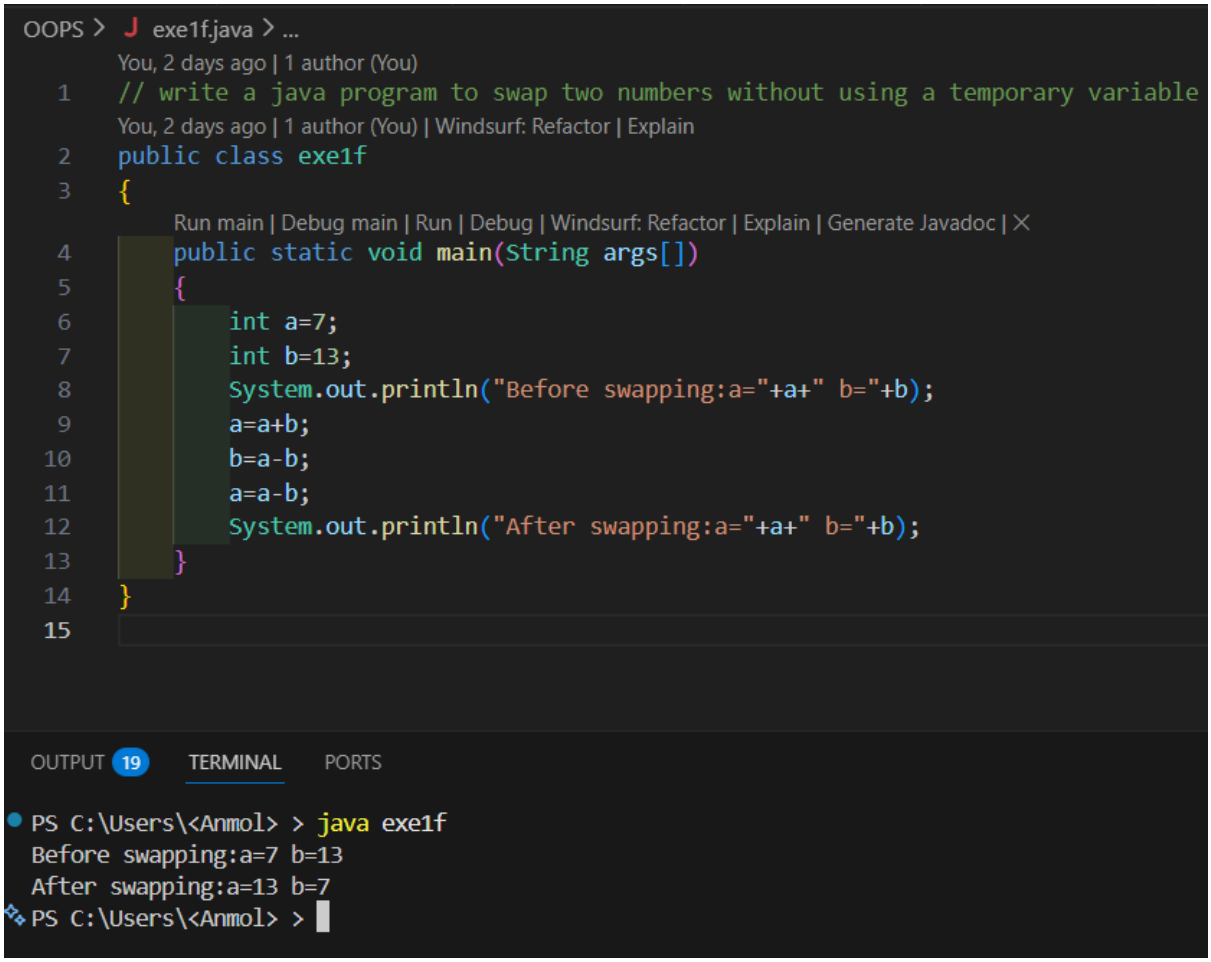
EX 1D


OOPS > exe1d.java > Language Support for Java(TM) by Red Hat > exe1d >
You, 2 days ago | 1 author (You)
// write a java program to calculate simple interest
You, 2 days ago | 1 author (You) | Windsurf: Refactor | Explain
public class exe1d
{
Run main | Debug main | Run | Debug | Windsurf: Refactor | Explain | Gene
public static void main(String args[])
{
float p=700f;
float t=5f;
float r=4.3f;
float si=(p*t*r)/100;
You, 2 days ago • A
System.out.println("Simple Interest is:"+si);
}
}
OUTPUT 19
TERMINAL
PORTS
PS C:\Users\<Anmol> > java exe1d
Simple Interest is:150.50002
PS C:\Users\<Anmol> >

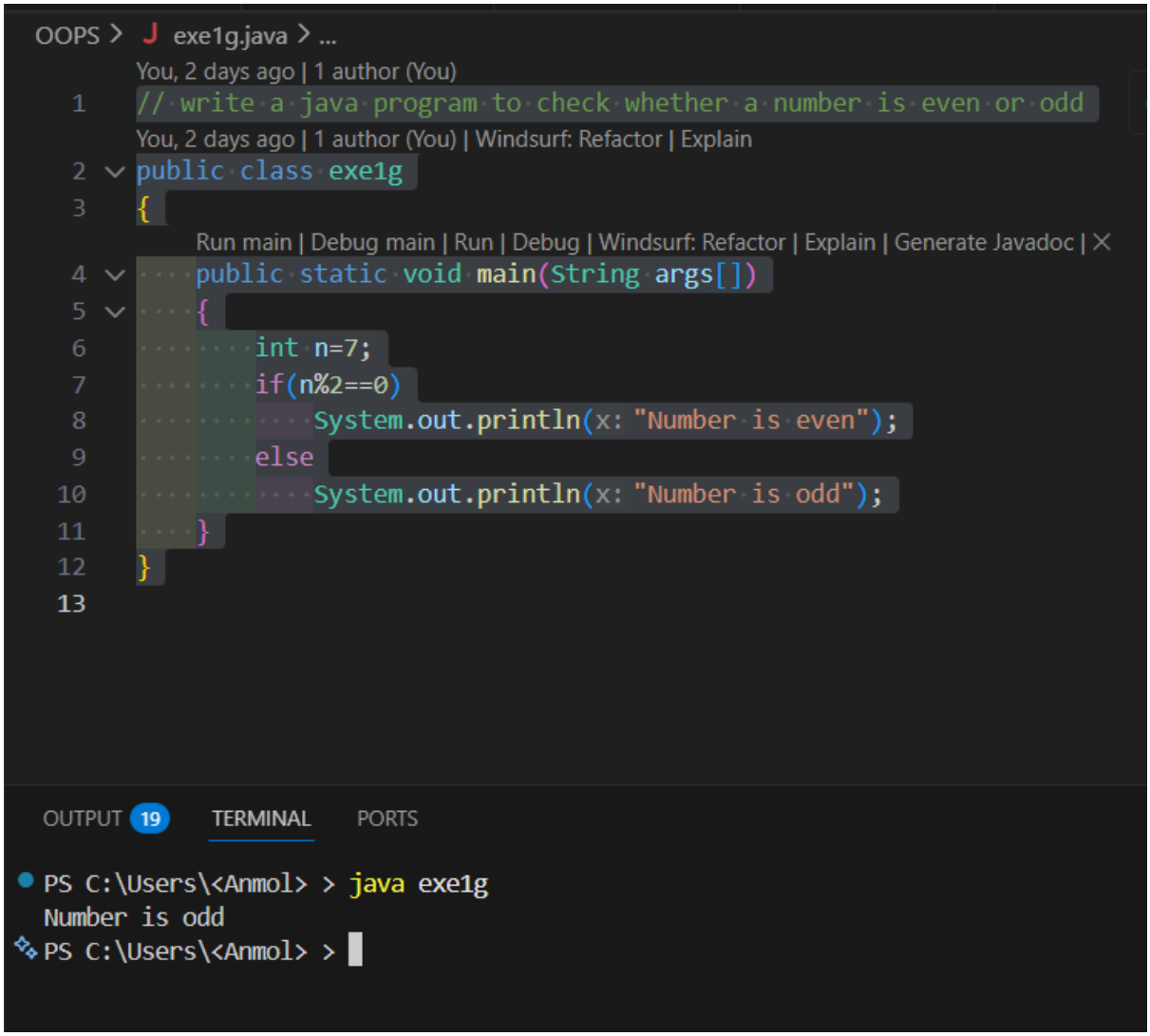
EX 1E


OOPS > exe1e.java > ...
You, 2 days ago | 1 author (You)
// write a java program to swap two numbers using a temporary variable
You, 2 days ago | 1 author (You) | Windsurf: Refactor | Explain
public class exe1e
{
Run main | Debug main | Run | Debug | Windsurf: Refactor | Explain | Generate Javadoc |
public static void main(String args[])
{
int a=3;
int b=23;
int temp;
System.out.println("Before swapping:a="+a+" b="+b);
temp=a;
a=b;
b=temp;
System.out.println("After swapping:a="+a+" b="+b);
}
}
OUTPUT 19
TERMINAL
PORTS
PS C:\Users\<Anmol> > java exe1e
Before swapping:a=3 b=23
After swapping:a=23 b=3
PS C:\Users\<Anmol> >

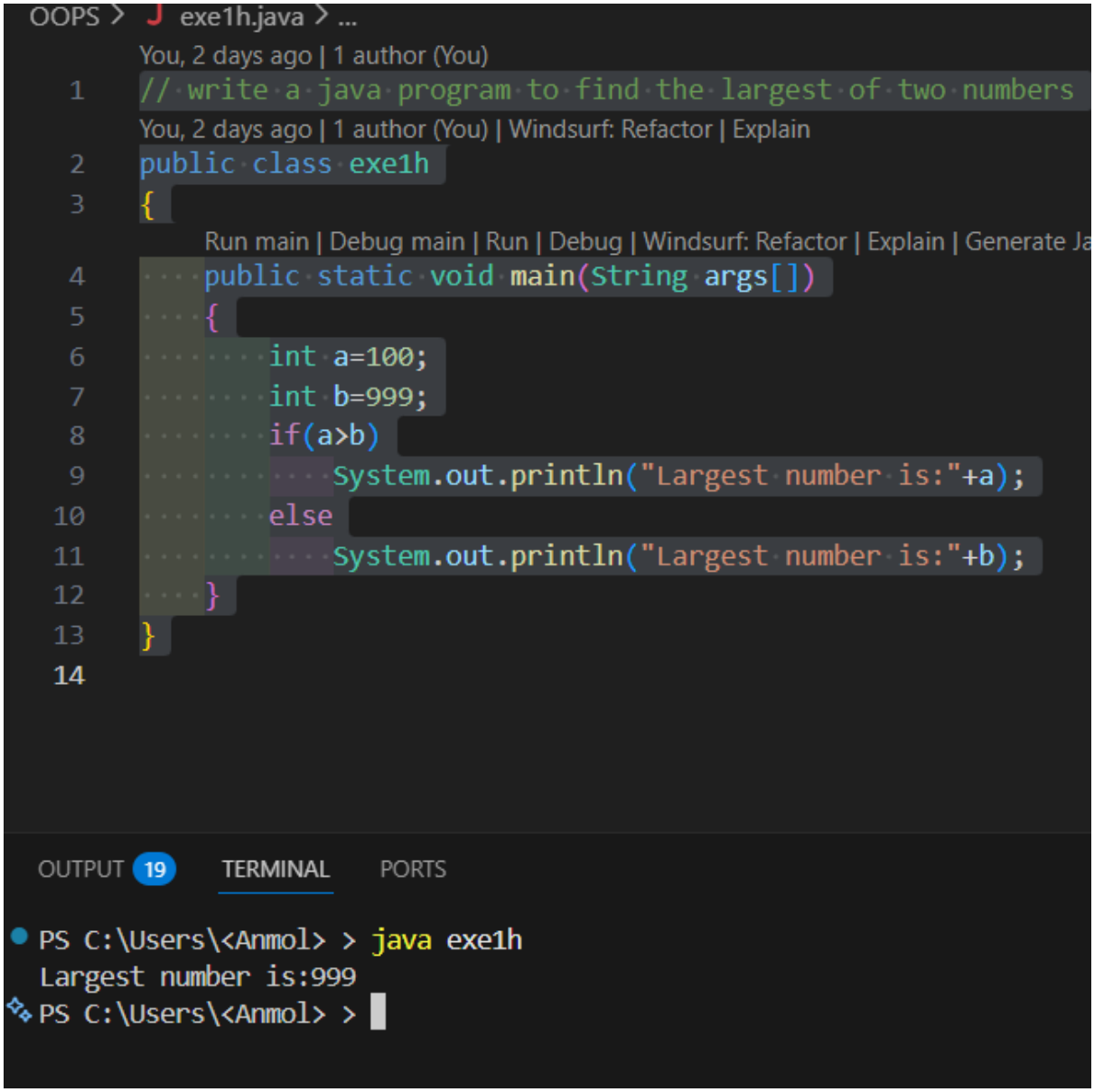
EX 1F


OOPS > exe1f.java > ...
You, 2 days ago | 1 author (You)
// write a java program to swap two numbers without using a temporary variable
You, 2 days ago | 1 author (You) | Windsurf: Refactor | Explain
public class exe1f
{
Run main | Debug main | Run | Debug | Windsurf: Refactor | Explain | Generate Javadoc |
public static void main(String args[])
{
int a=7;
int b=13;
System.out.println("Before swapping:a="+a+" b="+b);
a=a+b;
b=a-b;
a=a-b;
System.out.println("After swapping:a="+a+" b="+b);
}
}
OUTPUT 19
TERMINAL
PORTS
PS C:\Users\<Anmol> > java exe1f
Before swapping:a=7 b=13
After swapping:a=13 b=7
PS C:\Users\<Anmol> >

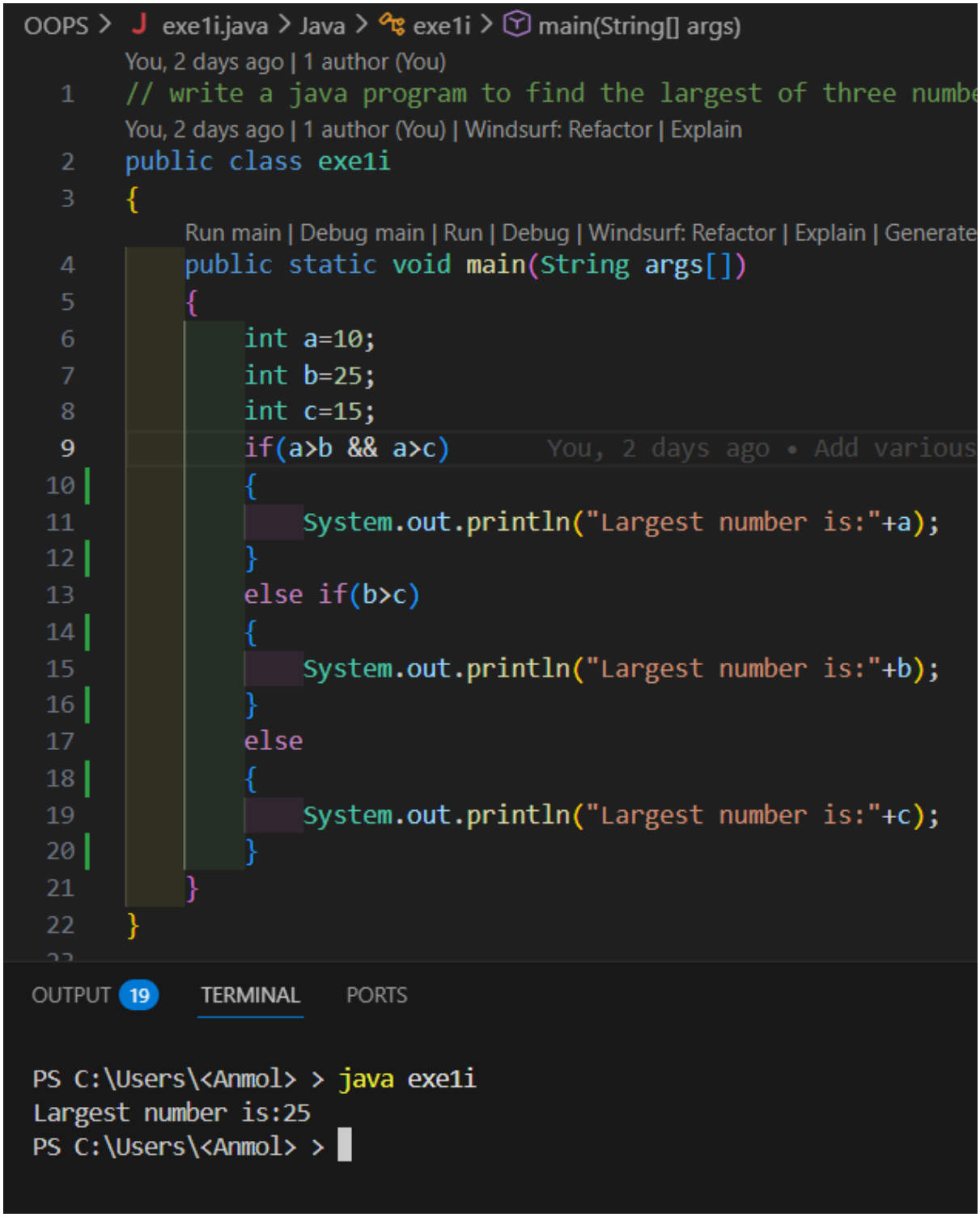
EX 1G


OOPS > exe1g.java > ...
You, 2 days ago | 1 author (You)
// write a java program to check whether a number is even or odd
You, 2 days ago | 1 author (You) | Windsurf: Refactor | Explain
public class exe1g
{
Run main | Debug main | Run | Debug | Windsurf: Refactor | Explain | Generate Javadoc |
public static void main(String args[])
{
int n=7;
if(n%2==0)
System.out.println(x: "Number is even");
else
System.out.println(x: "Number is odd");
}
}
OUTPUT 19
TERMINAL
PORTS
PS C:\Users\<Anmol> > java exe1g
Number is odd
PS C:\Users\<Anmol> >

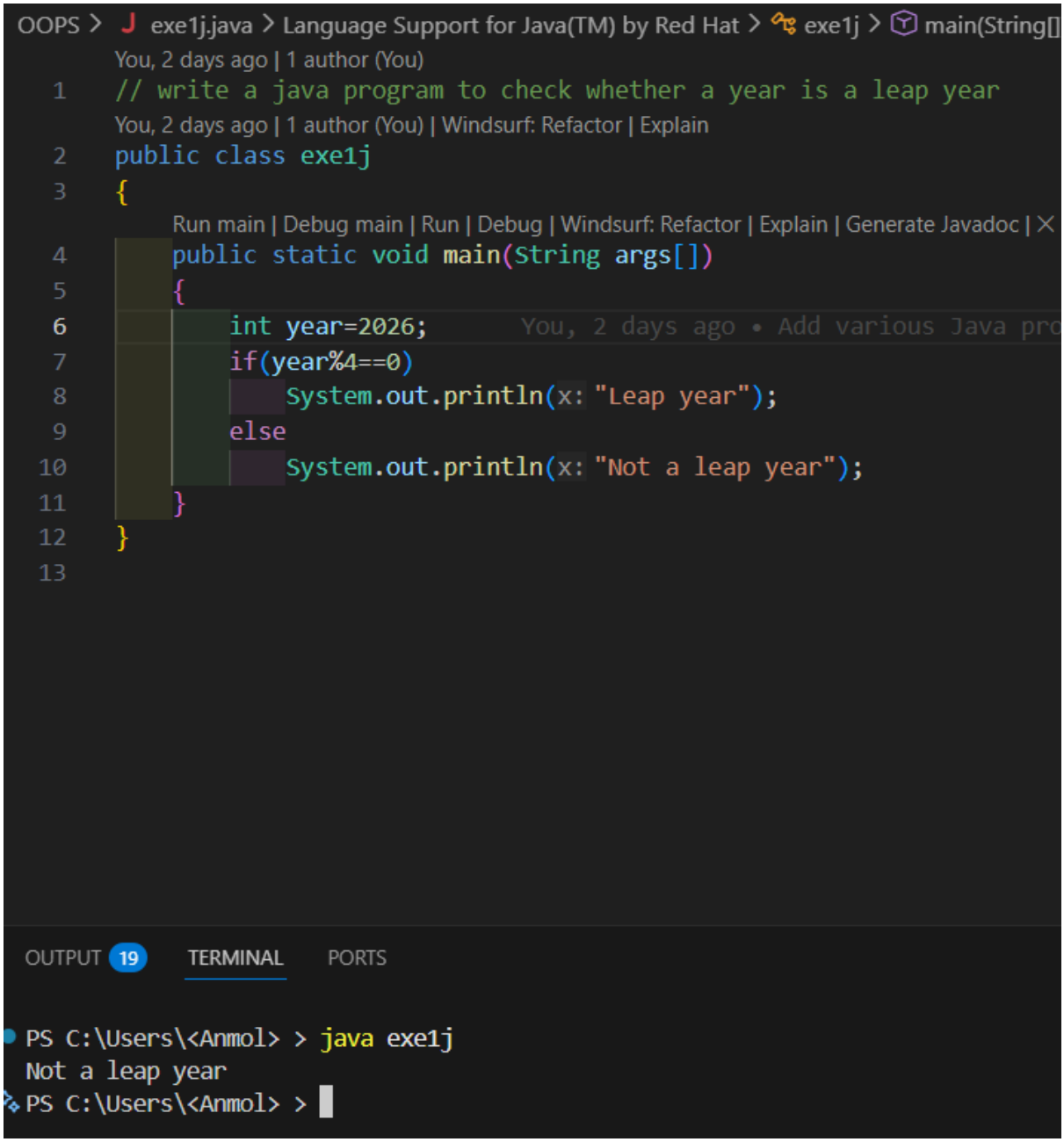
EX 1H


OOPS > exe1h.java > ...
You, 2 days ago | 1 author (You)
// write a java program to find the largest of two numbers
You, 2 days ago | 1 author (You) | Windsurf: Refactor | Explain
public class exe1h
{
Run main | Debug main | Run | Debug | Windsurf: Refactor | Explain | Generate Ja
public static void main(String args[])
{
int a=100;
int b=999;
if(a>b)
System.out.println("Largest number is:"+a);
else
System.out.println("Largest number is:"+b);
}
}
OUTPUT 19
TERMINAL
PORTS
PS C:\Users\<Anmol> > java exe1h
Largest number is:999
PS C:\Users\<Anmol> >

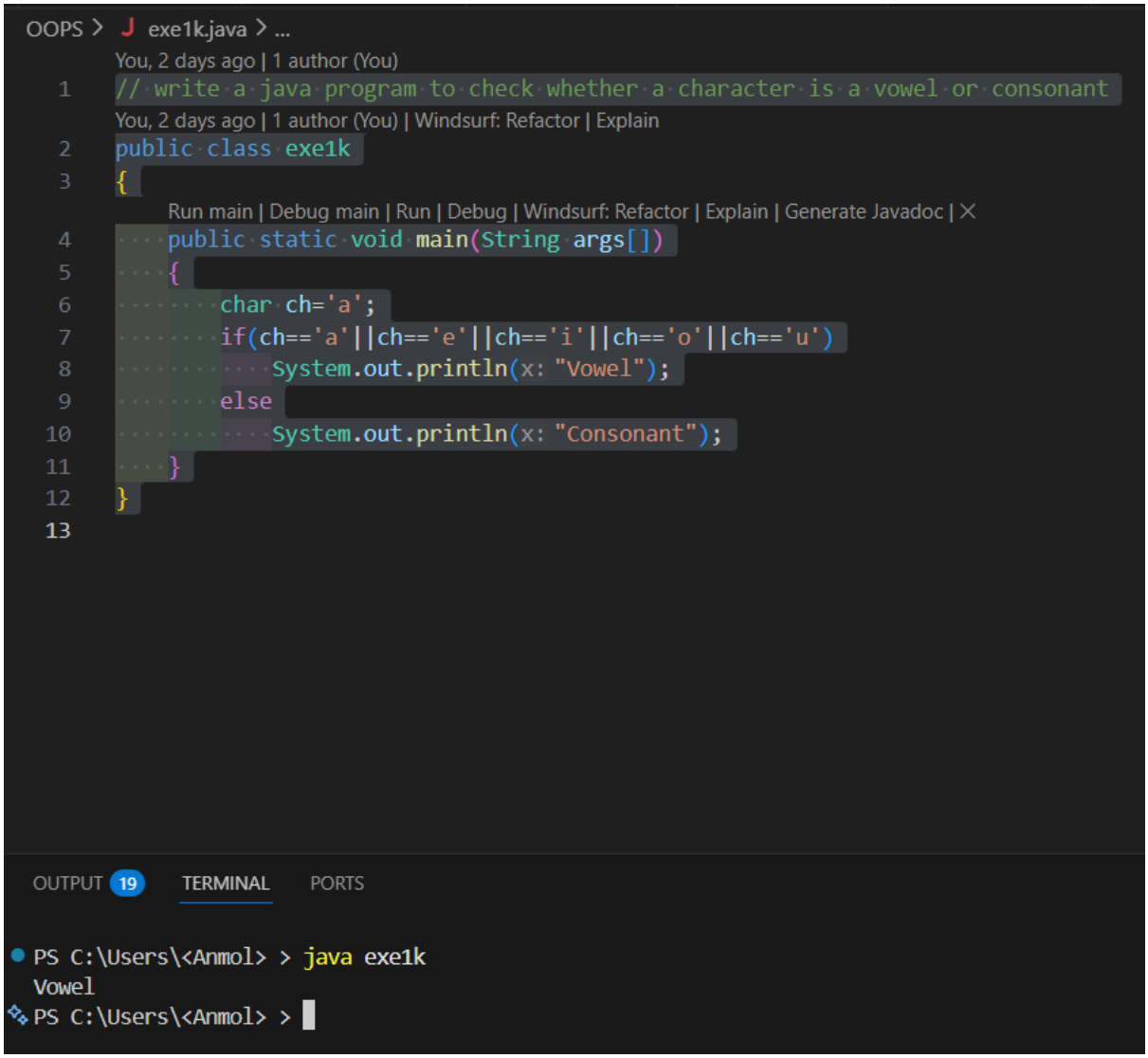
EX 1I


OOPS > exe1i.java > Java > exe1i > main(String[] args)
You, 2 days ago | 1 author (You)
// write a java program to find the largest of three numbe
You, 2 days ago | 1 author (You) | Windsurf: Refactor | Explain
public class exe1i
{
Run main | Debug main | Run | Debug | Windsurf: Refactor | Explain | Generate
public static void main(String args[])
{
int a=10;
int b=25;
int c=15;
if(a>b && a>c)
You, 2 days ago • Add various
{
System.out.println("Largest number is:"+a);
}
else if(b>c)
{
System.out.println("Largest number is:"+b);
}
else
{
System.out.println("Largest number is:"+c);
}
}
}
OUTPUT 19
TERMINAL
PORTS
PS C:\Users\<Anmol> > java exe1i
Largest number is:25
PS C:\Users\<Anmol> >

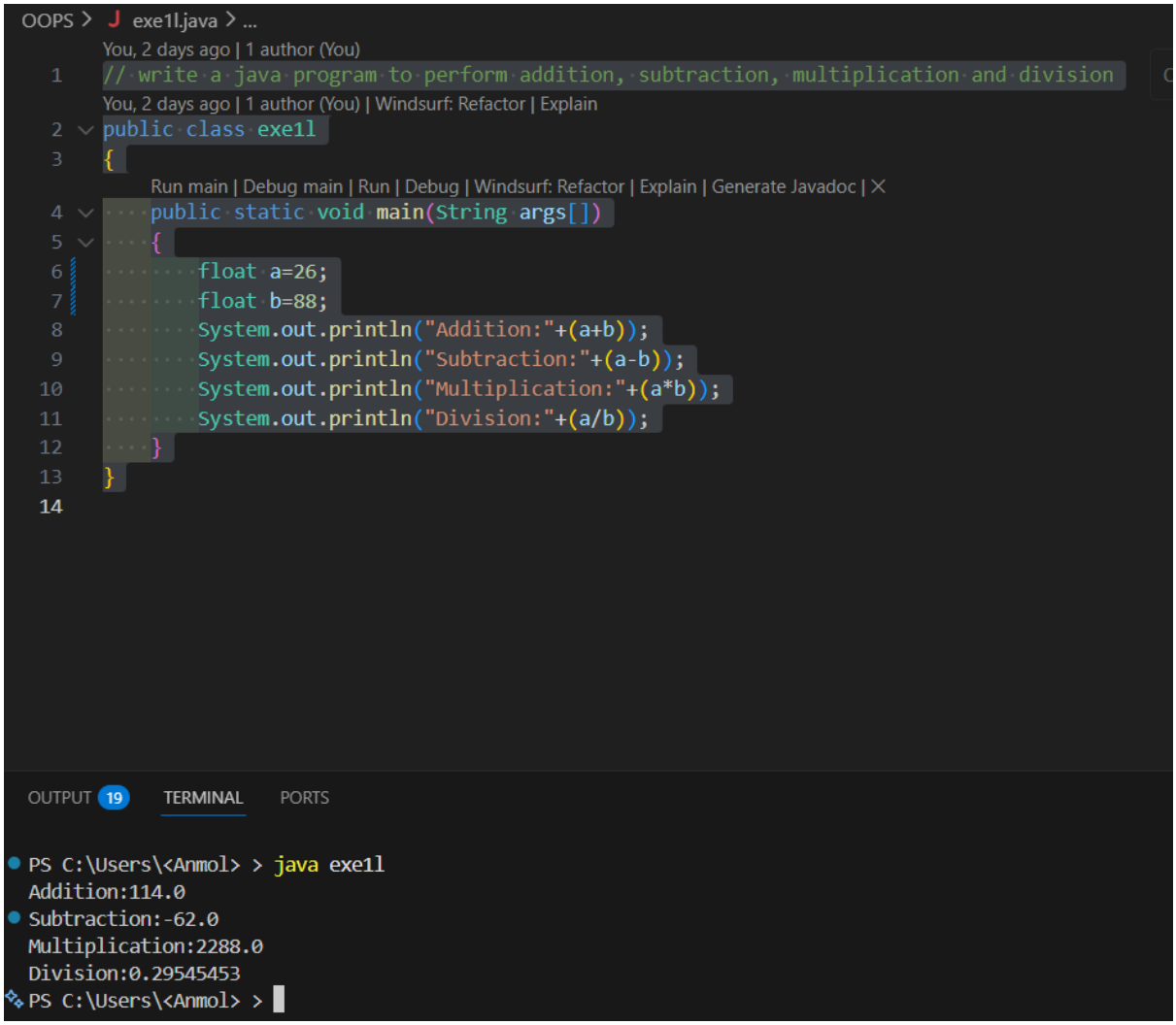
EX 1J


OOPS > exe1j.java > Language Support for Java(TM) by Red Hat > exe1j > main(String[]
You, 2 days ago | 1 author (You)
// write a java program to check whether a year is a leap year
You, 2 days ago | 1 author (You) | Windsurf: Refactor | Explain
public class exe1j
{
Run main | Debug main | Run | Debug | Windsurf: Refactor | Explain | Generate Javadoc
public static void main(String args[])
{
int year=2026;
You, 2 days ago • Add various Java pro
if(year%4==0)
System.out.println(x: "Leap year");
else
System.out.println(x: "Not a leap year");
}
}
OUTPUT 19
TERMINAL
PORTS
PS C:\Users\<Anmol> > java exe1j
Not a leap year
PS C:\Users\<Anmol> >

EX 1K


OOPS > exe1k.java > ...
You, 2 days ago | 1 author (You)
// write a java program to check whether a character is a vowel or consonant
You, 2 days ago | 1 author (You) | Windsurf: Refactor | Explain
public class exe1k
{
Run main | Debug main | Run | Debug | Windsurf: Refactor | Explain | Generate Javadoc |
public static void main(String args[])
{
char ch='a';
if(ch=='a'||ch=='e'||ch=='i'||ch=='o'||ch=='u')
System.out.println(x: "Vowel");
else
System.out.println(x: "Consonant");
}
}
OUTPUT 19
TERMINAL
PORTS
PS C:\Users\<Anmol> > java exe1k
Vowel
PS C:\Users\<Anmol> >

EX 1L


OOPS > exe1l.java > ...
You, 2 days ago | 1 author (You)
// write a java program to perform addition, subtraction, multiplication and division
You, 2 days ago | 1 author (You) | Windsurf: Refactor | Explain
public class exe1l
{
Run main | Debug main | Run | Debug | Windsurf: Refactor | Explain | Generate Javadoc |
public static void main(String args[])
{
float a=26;
float b=88;
System.out.println("Addition:"+(a+b));
System.out.println("Subtraction:"+(a-b));
System.out.println("Multiplication:"+(a*b));
System.out.println("Division:"+(a/b));
}
}
OUTPUT 19
TERMINAL
PORTS
PS C:\Users\<Anmol> > java exe1l
Addition:114.0
Subtraction:-62.0
Multiplication:2288.0
Division:0.29545453
PS C:\Users\<Anmol> >