

≡ 4CS001 - Introductory Programming And Proble...  
Autumn 2022

Stream Classwork People

4CS001 - Introductory Programming And Problem Sol...  
Autumn 2022

Upcoming

Due today ·  
11:59 PM – Workshop Su...

[View all](#)

Announce something to your class  
WORKSHOP WEEK 1 AND 2...

The image shows a digital course interface for '4CS001 - Introductory Programming And Problem Sol...' from Autumn 2022. The interface has a dark header with the course name and a light-colored footer. The main content area features a large banner with a space-themed illustration of a telescope and celestial bodies. Below the banner, the course name and semester are displayed again. A sidebar on the left lists 'Upcoming' tasks, including one due today at 11:59 PM related to a 'Workshop'. The footer contains a scanned watermark.

BlueJ: Week1

Project Edit Tools View Help

New SUM - Week1

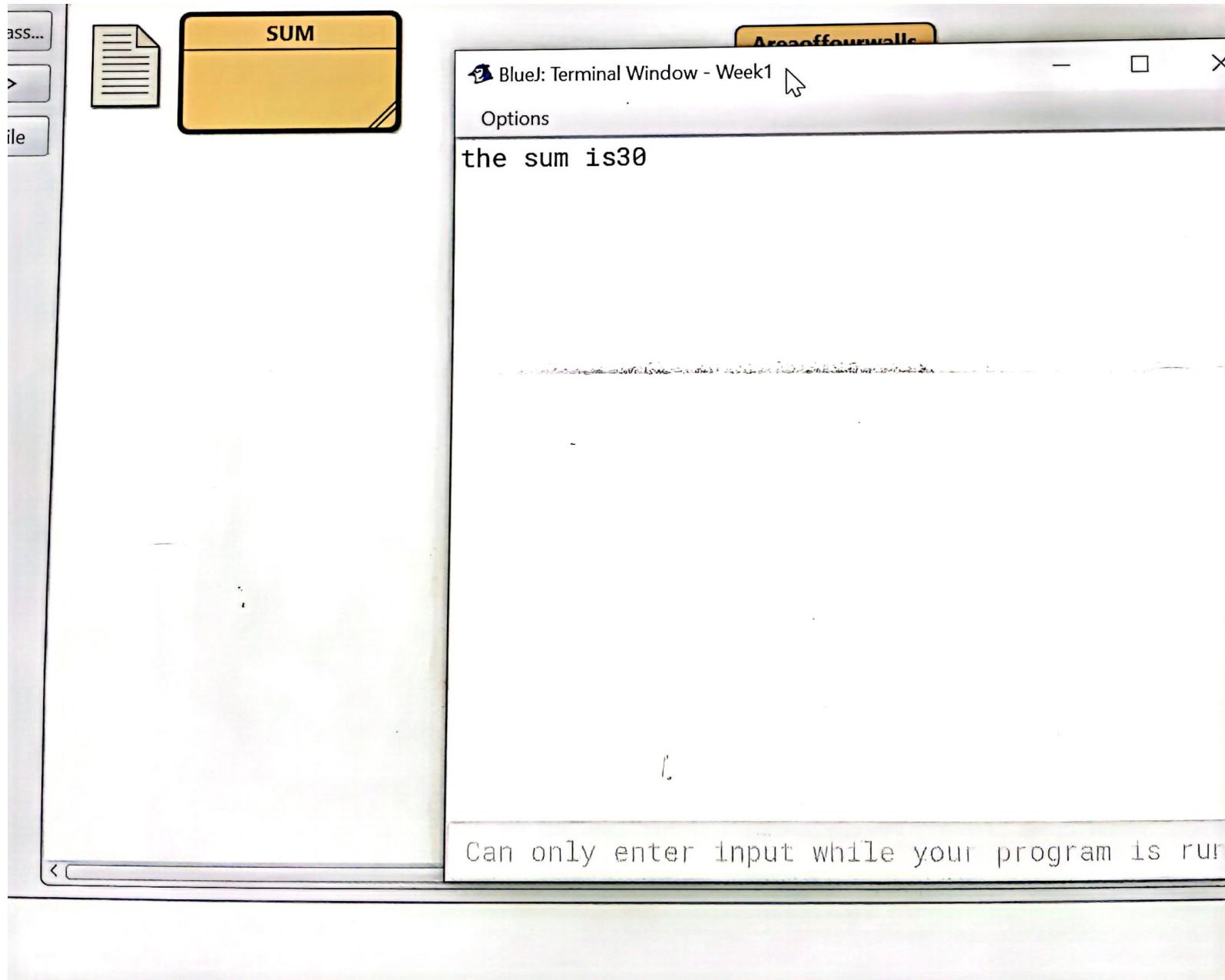
Class Edit Tools Options

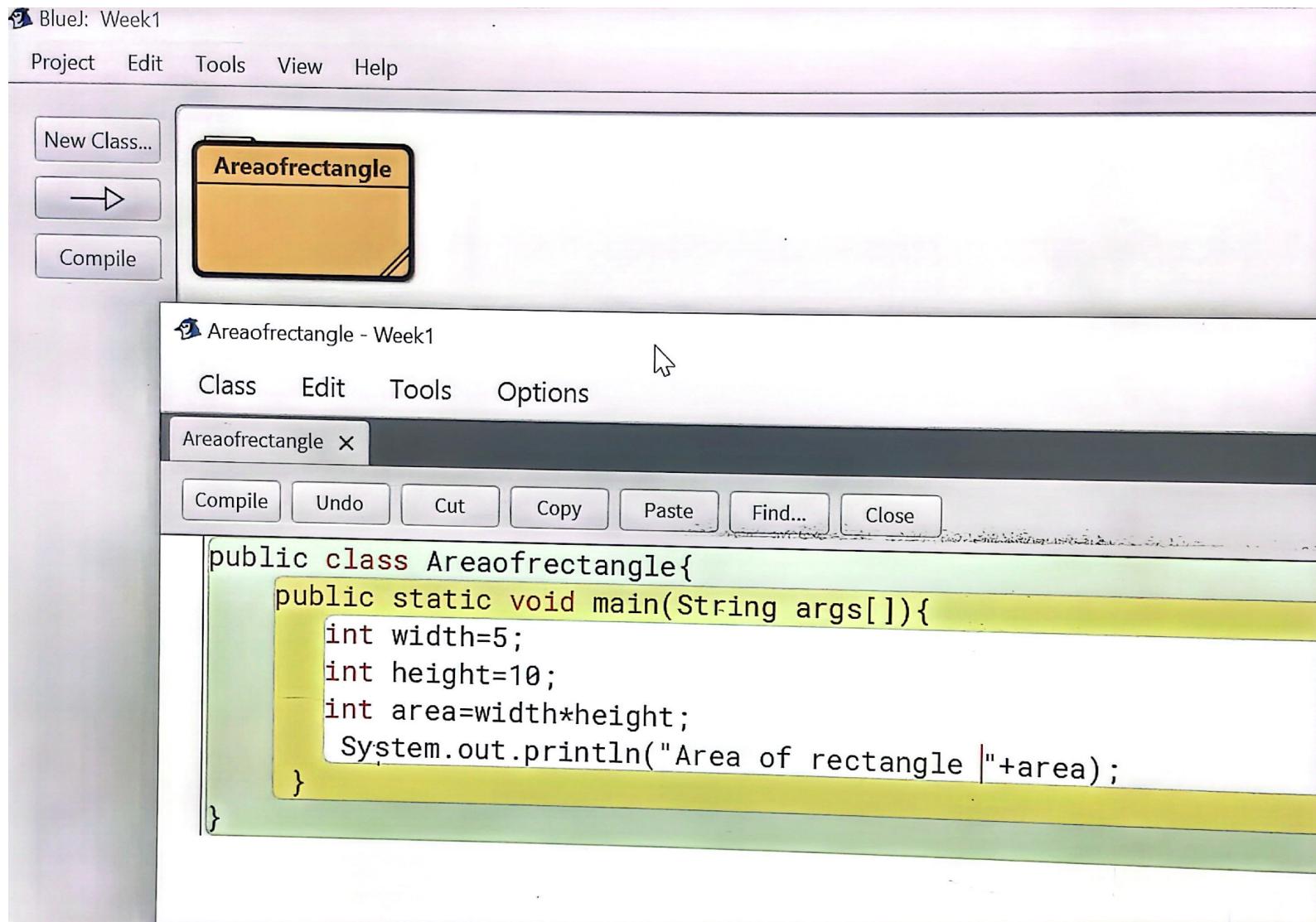
TSAofCube X SUM X

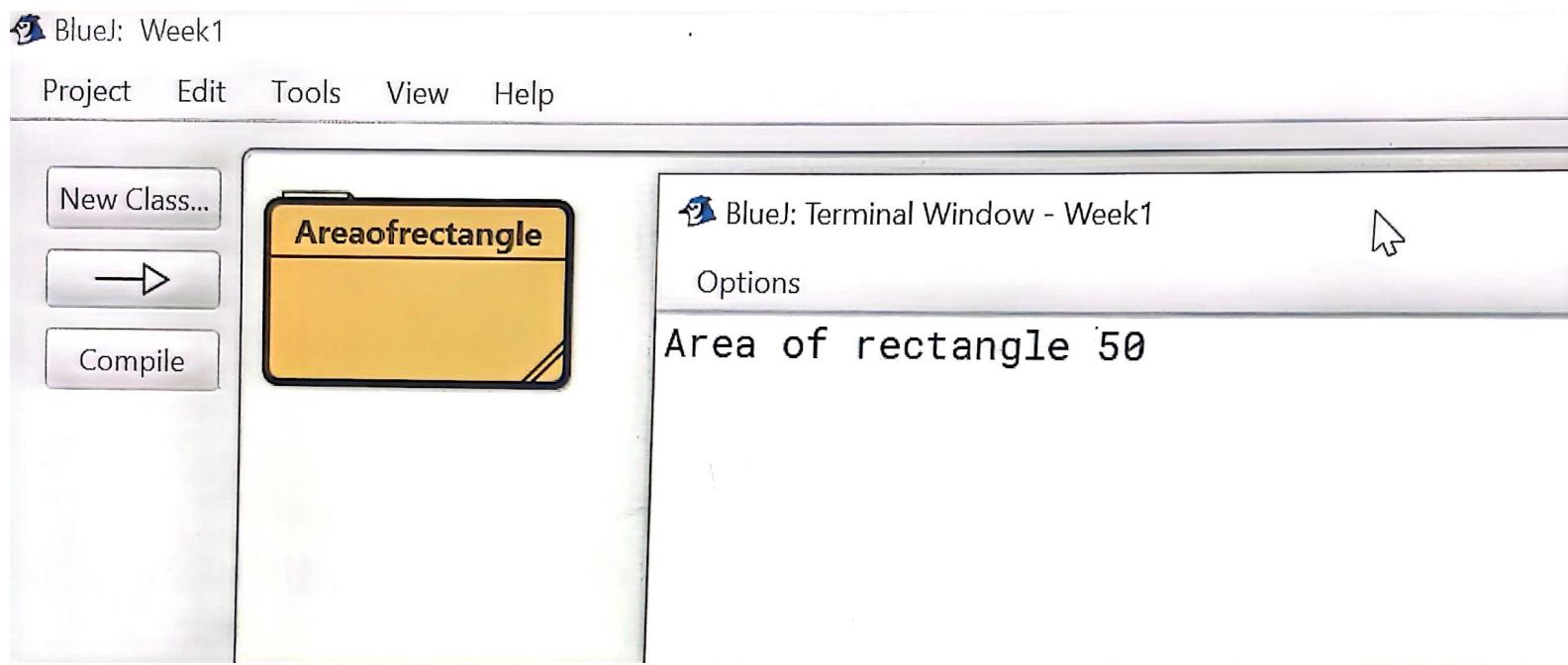
Compile Undo Cut Copy Paste Find... Close Source

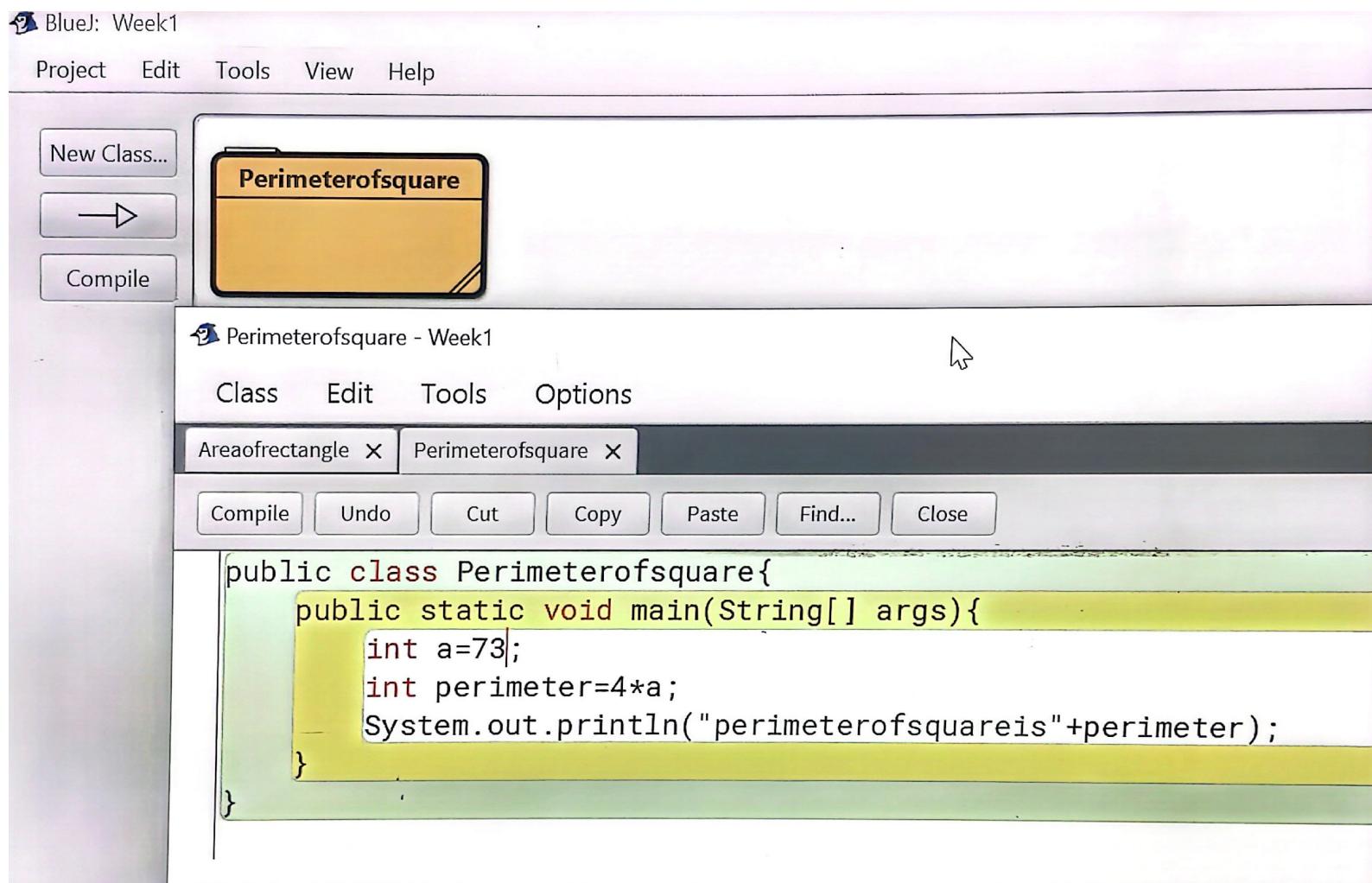
```
public class SUM{  
    public static void main(String[] args){  
        int a=10;  
        int b=20;  
        int sum=a+b;  
        System.out.println("the sum is"+sum);  
    }  
}
```

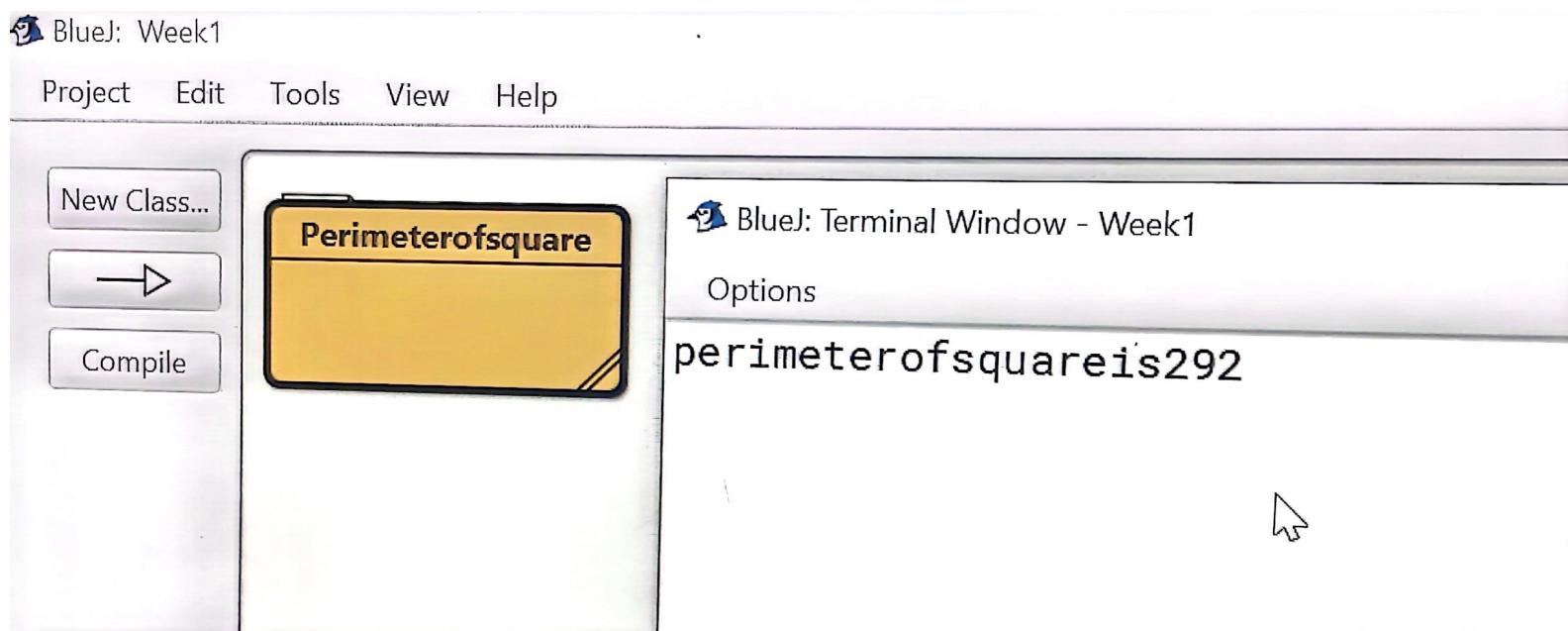
Class compiled - no syntax errors











New Class...



Compile

## Volumeofcylinder



Volumeofcylinder - Week1

Class Edit Tools Options

Volumeofcylinder X

Compile

Undo

Cut

Copy

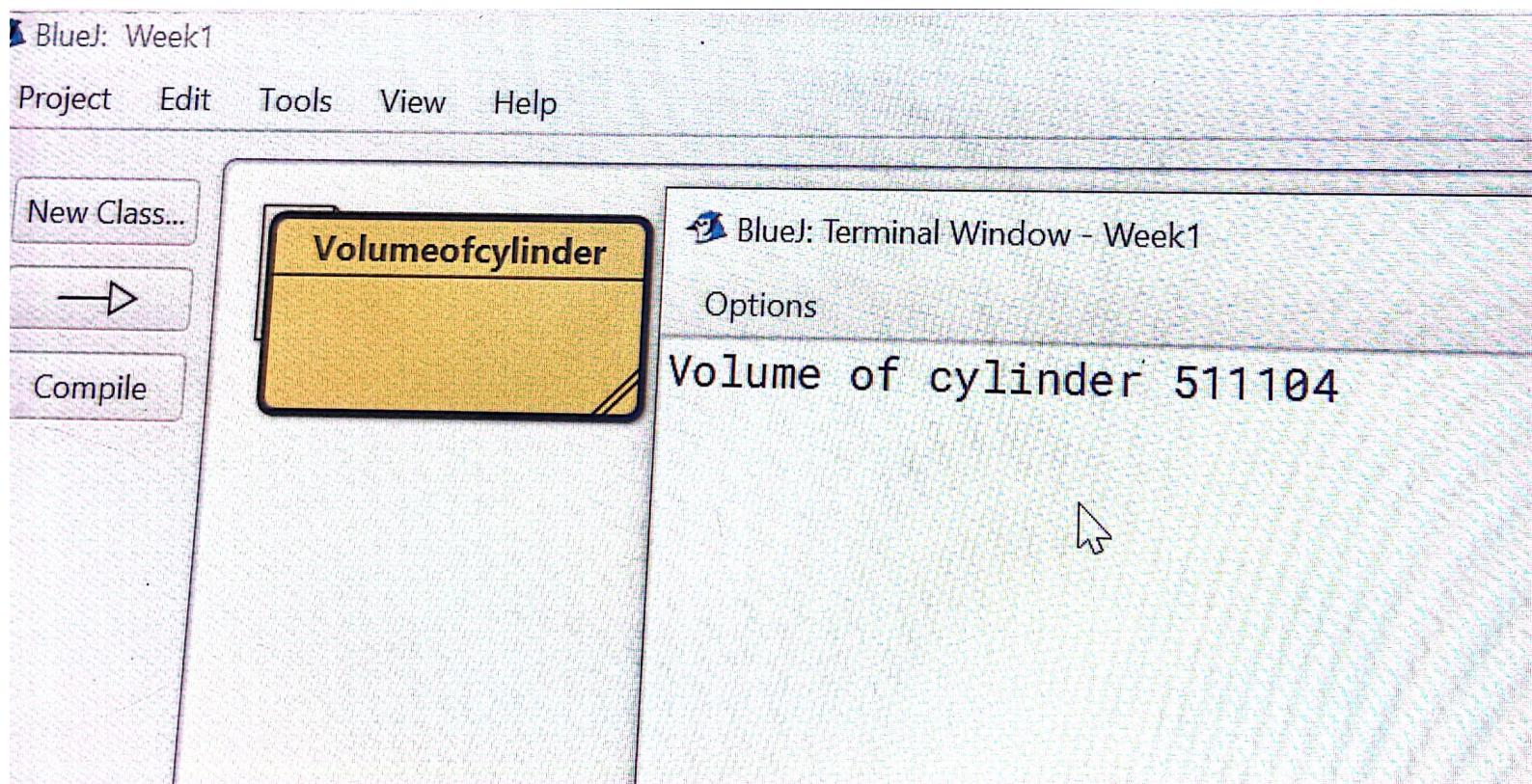
Paste

Find...

Close

```
public class Volumeofcylinder{  
    public static void main(String[] args){  
        double pi=22/7;  
        int r=44;  
        int h=88;  
        int Volume=(22/7*r*r*h);  
        System.out.println("Volume of cylinder "+Volume);  
    }  
}
```

Class compiled - no syntax errors



A screenshot of a Java code editor window. The window has a toolbar at the top with buttons for Compile, Undo, Cut, Copy, Paste, Find..., and Close. The main code area contains the following Java code:

```
public class AreaCircumferenceofcircle{
    public static void main(String[] args){
        double pi=22/7;
        double r=234;
        double Circumference=(2*22/7*r);
        double Area=(22/7*r*r);
        System.out.println("Circumference of circle is"+Circumference);
        System.out.println("Area of circle is "+Area);
    }
}
```

lass...



pile

## AreaCircumferenceofcircle

BlueJ: Terminal Window - Week1

Options

Circumference of circle is 1404.0  
Area of circle is 164268.0

New Class...



Compile

Areaoftriangle



AreaCircumferenceofcircle X

Areaoftriangle X

Compile

Undo

Cut

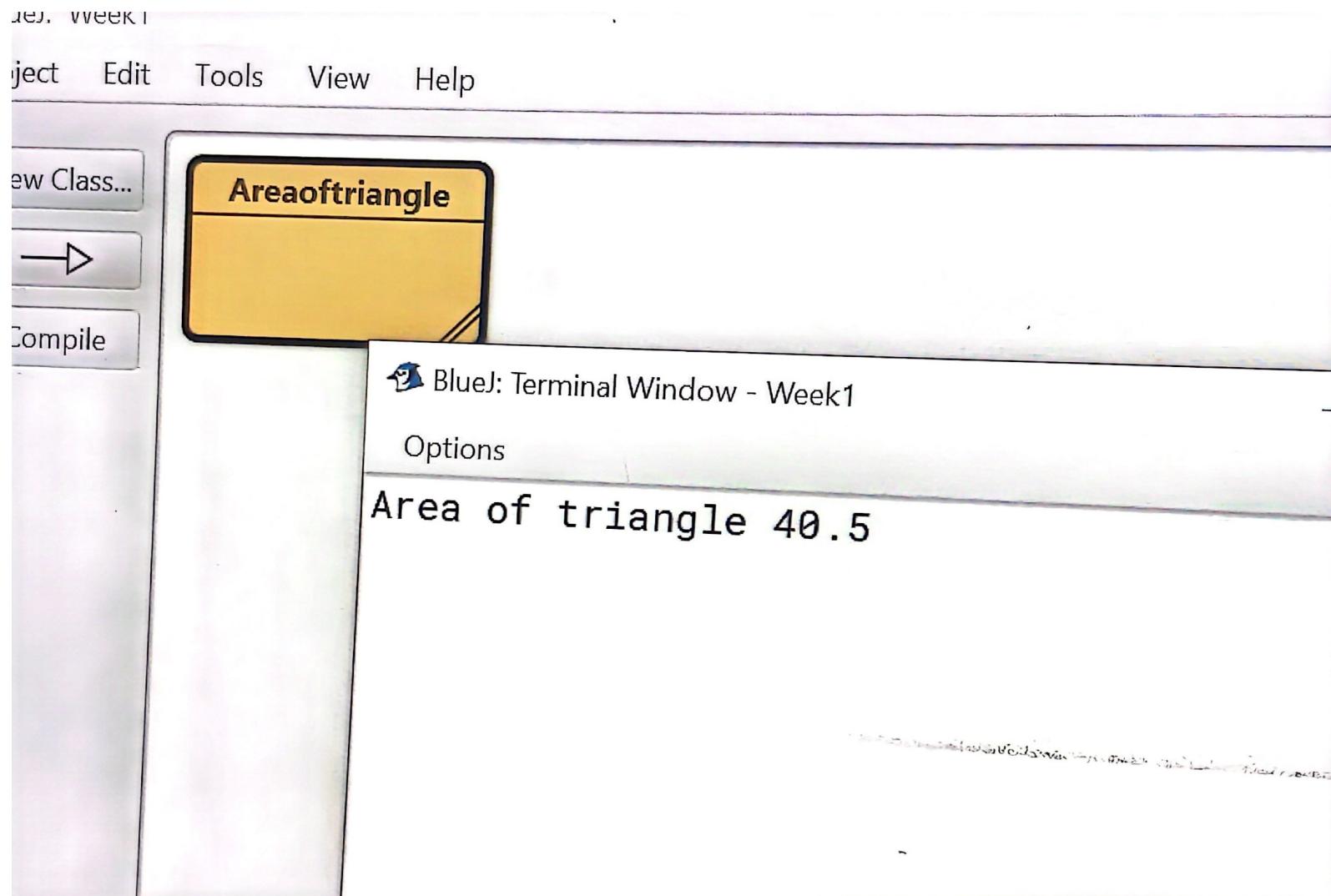
Copy

Paste

Find...

Close

```
public class Areaoftriangle{  
    public static void main(String[] args){  
        double b=9;  
        double h=9;  
        double area=(0.5*b*h);  
        System.out.println("Area of triangle "+area);  
    }  
}
```



Tools View Help

## Areaoftrianglesidearegiven

Areaoftrianglesidearegiven - Week1

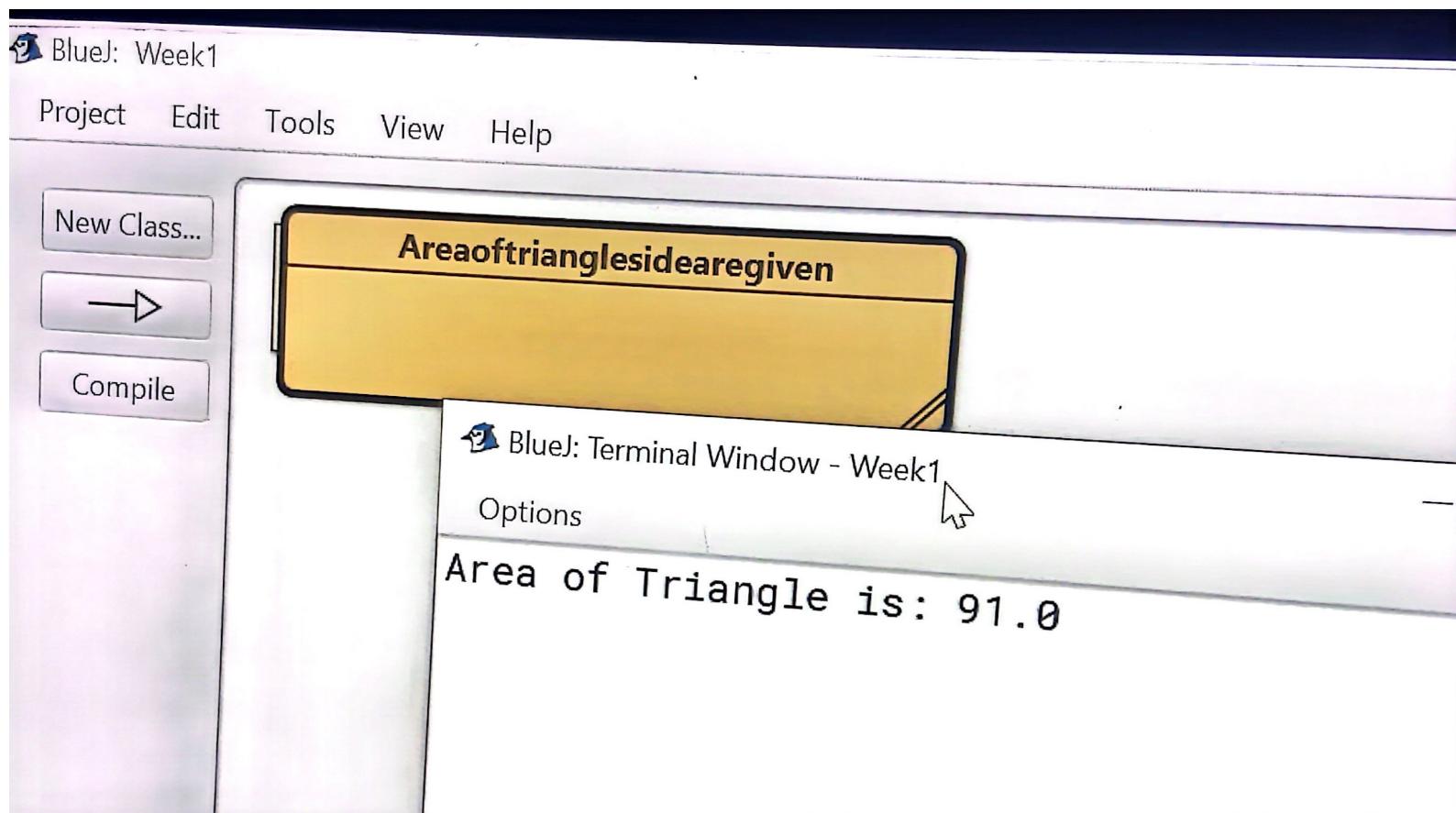
Class Edit Tools Options

AreaCircumferenceofcircle X Areaoftriangle X Areaoftrianglesidearegiven X

Compile Undo Cut Copy Paste Find... Close

```
public class Areaoftrianglesidearegiven{
    public static void main (String args[]){
        float b=14, h =13, area ;
        area = (b*h)/2;
        System.out.println("Area of Triangle is: "+area);
    }
}
```





New Class...



Compile

## Volumeofcube

Volumeofcube - Week1

Class Edit Tools Options

AreaCircumferenceofcircle X

Areaoftriangle X

Areaoftrianglesidearegiven X

Volumeofcube X

Compile

Undo

Cut

Copy

Paste

Find...

Close

```
public class Volumeofcube{  
    public static void main(String[] args){  
        int a=78;  
        int Volume=(a*a*a);  
        System.out.println("Volume of cube"+Volume);  
    }  
}
```



Class compiled - no syntax errors

## BlueJ: Week1

Project Edit Tools View Help

New Class...



Compile

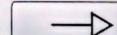
Volumeofcube

BlueJ: Terminal Window - Week1

Options

Volume of cube474552

New Class...



Compile

## Perimeterofrectangle



## Perimeterofrectangle - Week1

Class Edit Tools Options

AreaCircumferenceofcircle X Areaoftriangle X Areaoftrianglesidearegiven X Volumeofcube X Perimeterofrectangle X

Compile

Undo

Cut

Copy

Paste

Find...

Close

```
class Perimeterofrectangle {  
    public static void main (String args[])  
    {  
        float a ,b, c, d, perimeter;  
        a=c=54;  
        b=d=44;  
        perimeter = 2*(a+b);  
        System.out.println("Perimeter of Rectangle : "+perimeter);  
    }  
}
```

Class compiled - no syntax errors

Tools View Help

### Perimeterofrectangle

BlueJ: Terminal Window - Week1

Options

Perimeter of Rectangle : 196.0

New Class...



Compile

## KilometerintoMiles



## KilometerintoMiles - Week1

Class Edit Tools Options

AreaCircumferenceofcircle X

Areaoftriangle X

Areaoftrianglesidearegiven X

Volumeofcube X

Compile

Undo

Cut

Copy

Paste

Find...

Close

```
import java.util.Scanner;
public class KilometerintoMiles{
    public static void main(String[] args){
        Scanner in=new Scanner (System.in);
        double m=0.9999988;
        System.out.println("Please enter the distance in
        int km=in.nextInt();
        double convert=km*m;
        System.out.println("The value is "+convert);
    }
}
```

Class ...

New Class...



Compile

Areaofparallelogram



Areaofparallelogram - Week1

Class Edit Tools Options

AreaCircumferenceofcircle X

Areaoftriangle X

Areaoftrianglesidearegiven X

Volumeofcube X

Perimeterofrec

Compile

Undo

Cut

Copy

Paste

Find...

Close

```
public class Areaofparallelogram{  
    public static void main(String[ ] args){  
        int b=10;  
        int h=80;  
        int area=(b*h);  
        System.out.println("Area of parallelogram is "+area);  
    }  
}
```

BlueJ: Week1

Project Edit Tools View Help

New Class...



Compile

Areaofparallelogram

BlueJ: Terminal Window - Week1

Options

Area of parallelogram is 800

New Class...



Compile

Volumeofsphere



Volumeofsphere - Week1

Class Edit Tools Options

AreaCircumferenceofcircle X Areaoftriangle X Areaoftrianglesidearegiven X Volumeofcube X Perimete

Compile

Undo

Cut

Copy

Paste

Find...

Close

```
public class Volumeofsphere{  
    public static void main(String args[]) {  
        int radius=5;  
        double pie=22/7;  
        double volume=(4/3*pie*radius*radius*radius);  
        System.out.println("Volume of sphere =" +volume);  
    }  
}
```

BlueJ: Week1

Project Edit Tools View Help

New Class...



Compile

Volumeofsphere

BlueJ Terminal Window - Week1

Options

Volume of sphere =375.0

Tools View Help

## Areaofcircle



Areaofcircle - Week1

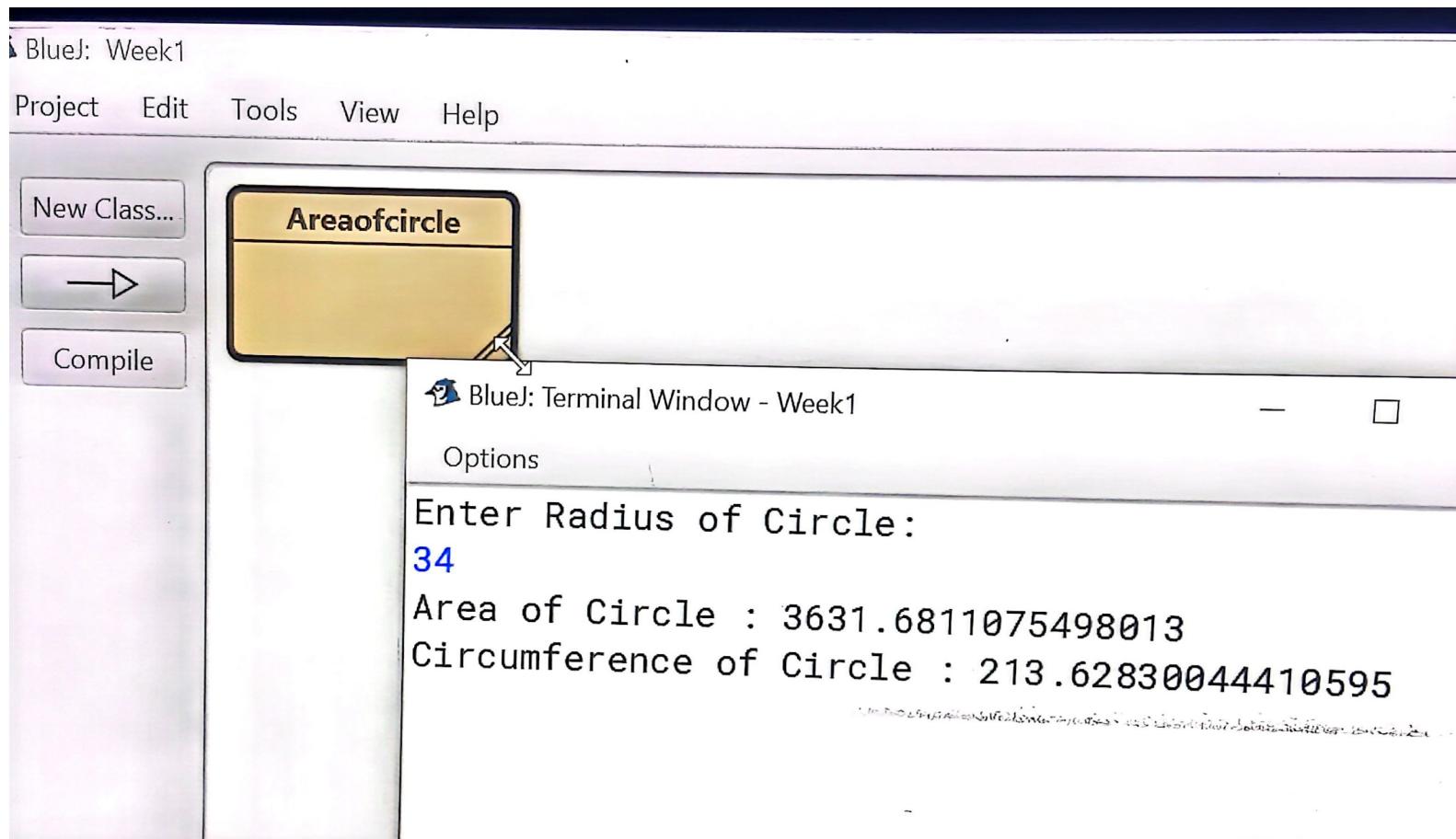
Class Edit Tools Options

ferenceofcircle X Areaoftriangle X Areaoftrianglesidearegiven X Volumeofcube X Perimeterofrectangle X Kilomete

Compile Undo Cut Copy Paste Find... Close

```
import java.util.*;
public class Areaofcircle {
    public static void main(String[] args){
        double radius, area, circumference;
        Scanner in = new Scanner(System.in);
        System.out.println("Enter Radius of Circle:");
        radius = in.nextDouble();
        // Calculate area and circumference of circle
        area = Math.PI * radius * radius;
        circumference = 2 * Math.PI * radius;

        System.out.println("Area of Circle : " + area);
        System.out.println("Circumference of Circle : " + circumference);
    }
}
```



BlueJ: Week1

Project Edit Tools View Help

New Class...    →    Compile

TSAofHemisphere

TSOfHemisphere - Week1

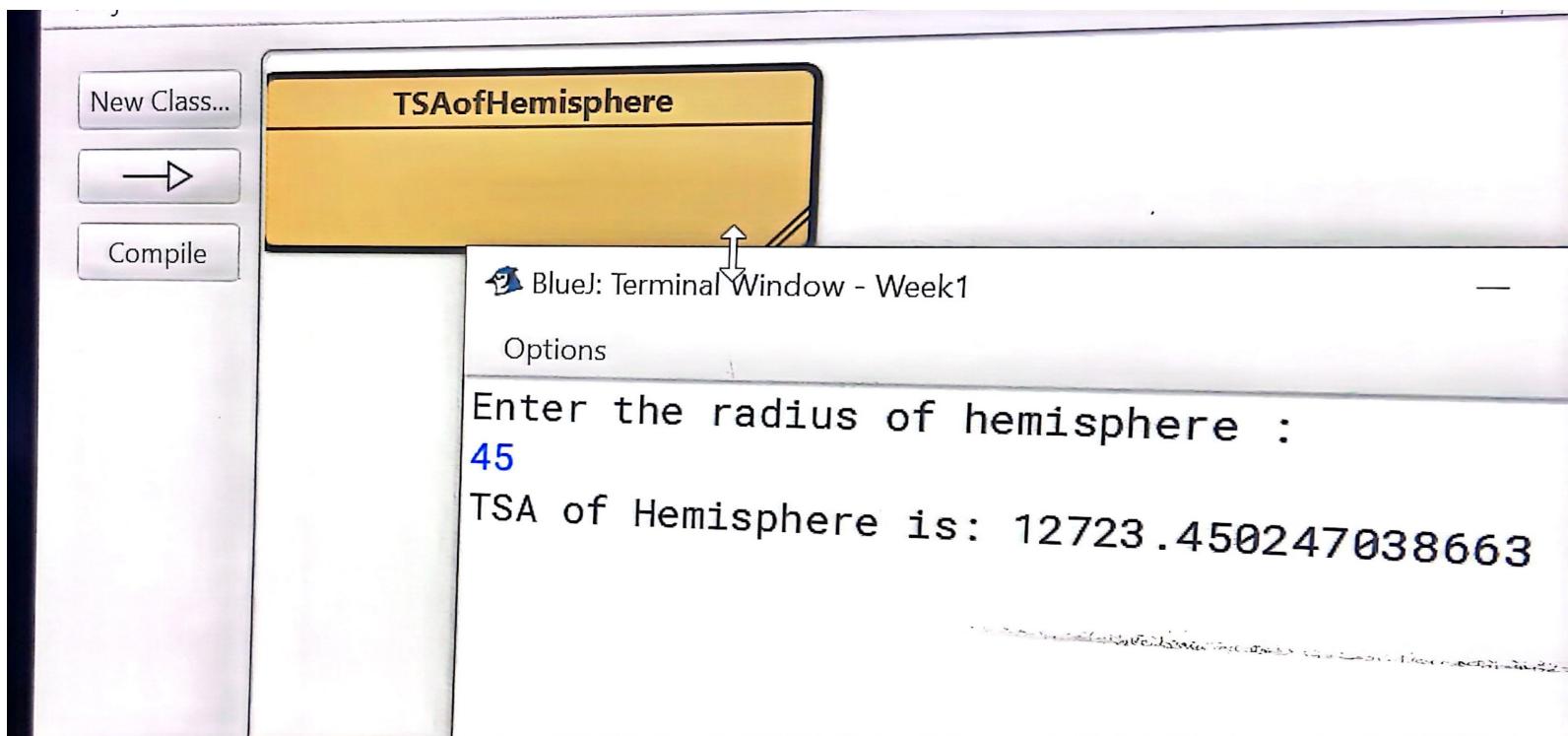
Class Edit Tools Options

eaoftriangle X Areaoftrianglesidearegiven X Volumeofcube X Perimeterofrectangle X KilometerintoMiles X Areaofparallelogram

Compile Undo Cut Copy Paste Find... Close

```
import java.util.Scanner;
class TSAofHemisphere{
    public static void main(String[] args) {
        Scanner s= new Scanner(System.in);
        System.out.println("Enter the radius of hemisphere :");
        double r=s.nextDouble();
        double surfaceAreaHemisphere= 2 * Math.PI * r * r;
        System.out.println("TSA of Hemisphere is: "+surfaceAreaHemisphere);
        s.close();
    }
}
```

Class compiled - no syntax errors



New Class...



Compile

## Volumeofhemisphere



## Volumeofhemisphere - Week1

Class Edit Tools Options

AngleSideAreGiven X Volumeofcube X Perimeterofrectangle X KilometerintoMiles X Areaofparallelogram X Volumeofhemisphere X

Compile

Undo

Cut

Copy

Paste

Find...

Close

```
public class Volumeofhemisphere{  
    public static void main(String[] args){  
        double pi=22/7;  
        int r=30;  
        int Volume =(2/3*22/7*r*r*r);  
        System.out.println("Volume of hemisphere "+Volume);  
    }  
}
```

Class compiled - no syntax errors

New Class...



Compile

## TSAofcylinder



## TSAofcylinder - Week1

Class Edit Tools Options

Volumeofcube X Perimeterofrectangle X KilometerintoMiles X Areaofparallelogram X Volumeofsphere X

Compile Undo Cut Copy Paste Find... Close

```
class TSAofcylinder{  
    public static void main(String args[]) {  
        float r, h, surfacearea;  
        r =12;  
        h =35;  
        surfacearea = (22*r*(r+h))/7;  
        System.out.println("TSA of Cylinder is : "+surfacearea);  
    }  
}
```

Class compiled - no syntax errors

Tools View Help

## TSAofcylinder

BlueJ: Terminal Window - Week1

Options

TSA of Cylinder is : 1772.5714

TSAofCuboid - Week1

Class Edit Tools Options

Perimeterofrectangle X KilometerintoMiles X Areaofparallelogram X Volumeofsphere X Areaofcircle X TSAofHemi X

Compile Undo Cut Copy Paste Find... Close

```
import java.util.Scanner;
class TSAofCuboid {
    public static void main(String args[]) {
        Scanner s= new Scanner(System.in);
        System.out.println("Enter the length of Cubiod:");
        double l=s.nextDouble();
        System.out.println("Enter the breadth of Cubiod:");
        double b=s.nextDouble();
        System.out.println("Enter height of Cubiod:");
        double h=s.nextDouble();
        double area=(2*((l*b)+(b*h)+(h*l)));
        System.out.println("TSA Of Cuboid is:" +area);
    }
}
```

BlueJ: Terminal Window - Week1

Options

```
Enter the length of Cubiod:  
78  
Enter the breadth of Cubiod:  
66  
Enter height of Cubiod:  
34  
TSA Of Cuboid is:20088.0
```

New Class...



Compile

Areaoffourwalls



Areaoffourwalls - Week1

Class Edit Tools Options

Angle X KilometerintoMiles X Areaofparallelogram X Volumeofsphere X Areaofcircle X TSAofHemisphere X Volum

Compile

Undo

Cut

Copy

Paste

Find...

Close

```
public class Areaoffourwalls{
    public static void main (String[] args){
        int l=150;
        int b=200;
        int h=100;
        int areaoffourwalls=2*(l+b)*h;
        System.out.println("Area of four walls is "+ areaoffourwalls);
    }
}
```

Class compiled - no syntax errors

BlueJ: Terminal Window - Week1

Options

Area of four walls is 70000

BlueJ: Week1

Project Edit Tools View Help

New Class... → Compile

MeterintoKilometer

MeterintoKilometer - Week1

Class Edit Tools Options

MeterintoKilometer x

Compile Undo Cut Copy Paste Find... Close

```
import java.util.*;
class MeterintoKilometer{
    public static void main(String args[])
    {
        float km,metres;
        Scanner sc=new Scanner(System.in);
        System.out.println("Please enter the distance in meter:");
        km=sc.nextFloat();
        metres=km*1000;
        System.out.printf("The Output 1 Is:\n%.0f",metres);
    }
}
```

Class compiled - no syntax errors

# BlueJ: Terminal Window - Week1

Options

Please enter the *distance in meter*:

55

The Output 1 Is:

55000

Can only enter input while your program is run

Tools View Help

## TSAofCube

TSAofCube - Week1

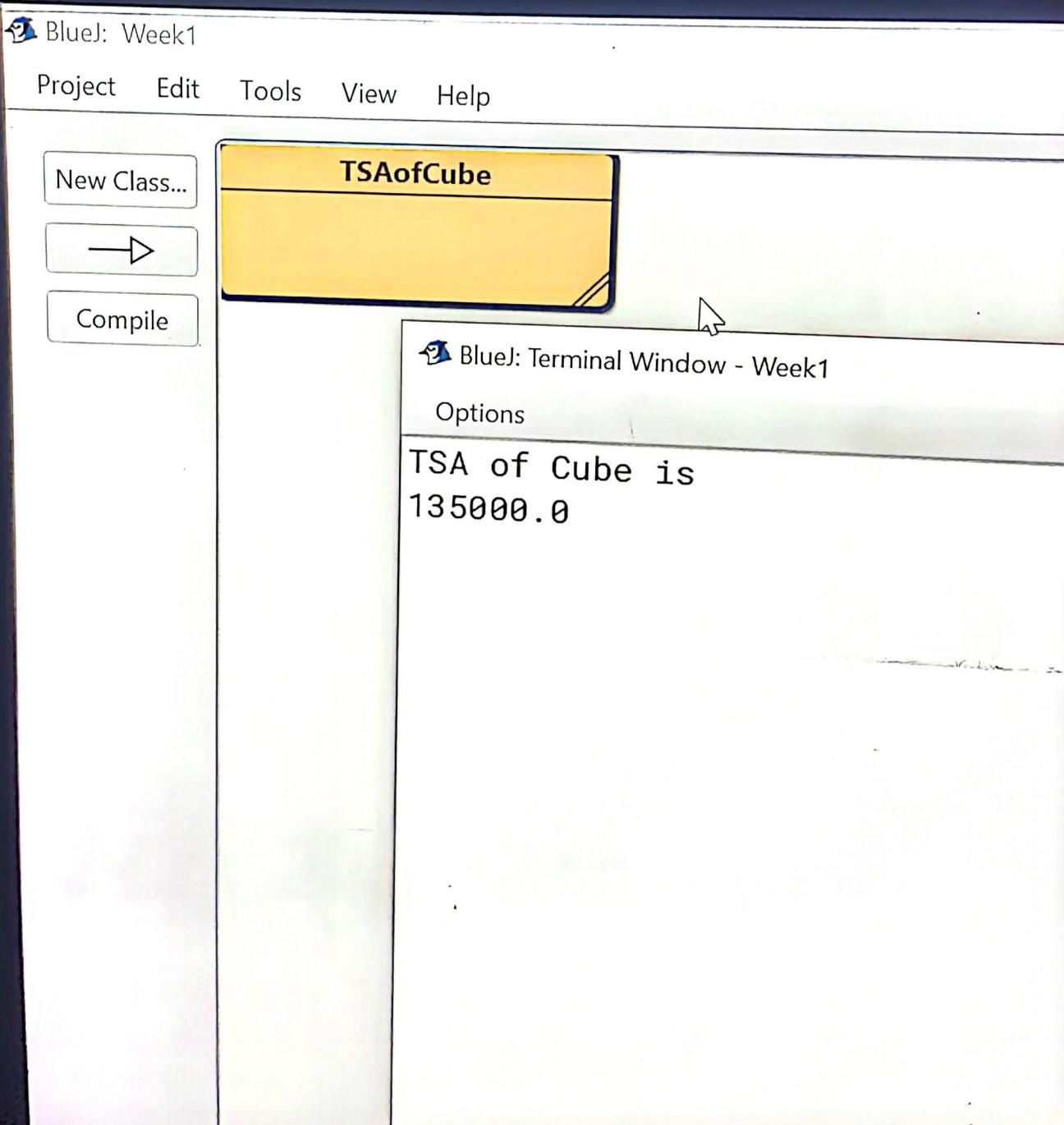
Class Edit Tools Options

TSAofCube X

Compile Undo Cut Copy Paste Find... Close

```
public class TSAofCube {  
    public static void main (String args[]){  
        float a, l, b, h, surfacearea;  
        l =100;  
        b =200;  
        h =150;  
        a=l=b=h;  
        surfacearea = 6*(a*a);  
        System.out.println ("TSA of Cube is");  
        System.out.println(surfacearea);  
    }  
}
```

Class compiled - no syntax errors



# groupA - Notepad

File Edit Format View Help

## Group A

1. What is the String class in Java? Is String a data type?

String class in Java is defined as a sequence of characters that exists as an object of the class `java.lang`. Yes, String is a data type that stores characters.

2. How can you make a String upper case or lower case in Java?

By using `touppercase()` method and `tolowercase()`, we can make string upper and lowercase respectively.

3. Can you use String in switch case in Java? Explain it briefly.

We can use string in switch case in Java. We can use string constant to control the switch statement easily.

4. Explain different types of conditional statement in java.

If statement: tells program to execute a certain portion of code only if a particular test evaluates to be true

if/else statement: If a condition is true then the section of code under if would be exedcuted else the section of code under else is executed.

Switch case: It executes particular option based on the value of an expression if we have multiple options to select.

5. What is the value of the variable num after the following is ffexecuted?

- int k = 5;
- int num = 0;
- int num1 = num + k \* 2;
- int num2 = num + k \* 2;

Are the values num1 and num2 equal after the last statement?

$\text{num1} = 0+5*2=10$

$\text{num2} = 0+5*2=10$

$\text{num1} = \text{num2}$

They are equal at the last statement.

6. How do you split a string in Java?

We can split a string in java using the `str.split()` command.

7. How do you check if two Strings are equal in Java?

The java `string equals()` method compares the strings and returns true if they are equal else returns false.

New Class...



Compile

## Agedifference

Agedifference - Week2

Class Edit Tools Options

Agedifference X

Compile

Undo

Cut

Copy

Paste

Find...

Close

```
public class Agedifference{  
    public static void main(String[] args){  
        int a=57;  
        int b=34;  
        int ans=(a-b);  
        System.out.println("the ans is"+ans);  
    }  
}
```

ueJ: Week2

Object Edit Tools View Help

New Class...



Compile

Agedifference

BlueJ: Terminal Window - Week2



Options

the ans is23

New Class...



New Project...

Station

Station - Week2

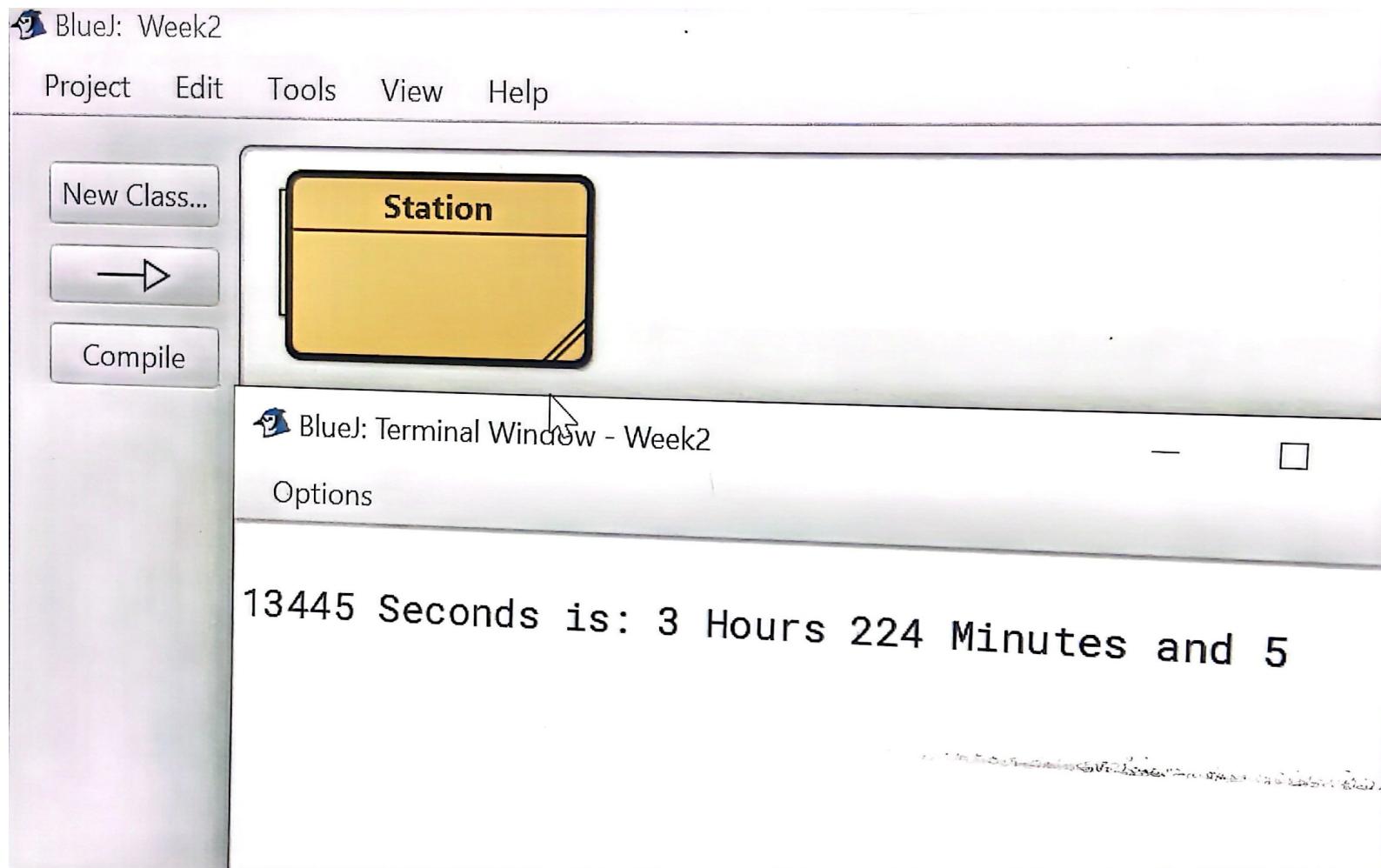
Class Edit Tools Options

Station X

Compile Undo Cut Copy Paste Find... Close

```
public class Station{
    public static void main(String[] args){
        System.out.println("\u000C");
        int a=13445;
        int h=a/3600;
        int m=a/60;
        int d=h/60;
        int mi=m-d;
        int di=h/3600+mi*60;
        int s=a-di;
        System.out.println(+a+ " Seconds is: "+h+ " Hours "+mi+ " Minutes and "+s);
    }
}
```

Class compiled - no syntax errors



Tools View Help

## Twointegernumber

Twointegernumber - Week2

Class Edit Tools Options

Twointegernumber X

Compile Undo Cut Copy Paste Find... Close

```
import java.util.Scanner;
public class Twointegernumber{
    public static void main(String[] args){
        Scanner in = new Scanner(System.in);
        System.out.println("\u000c");
        int a= in.nextInt();
        int b= in.nextInt();
        int add=a+b;
        int sub=a-b;
        int mul=a*b;
        float div=a/b;
        int mo=a%b;
        double exp=Math.pow(a,b);
        System.out.println("Addition:"+add);
        System.out.println("Subtraction"+sub);
        System.out.println("Multiplication:"+mul);
        System.out.println("Division:"+div);
        System.out.println("Modulus:"+mo);
        System.out.println("Exponentiation:"+exp);
    }
}
```

BlueJ: Week2

Project Edit Tools View Help

New Class...



Compile

Brunomars

Brunomars - Week2

Class Edit Tools Options

Brunomars X

Compile

Undo

Cut

Copy

Paste

Find...

Close

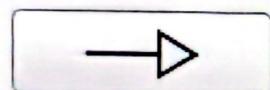
```
public class Brunomars{  
    public static void main(String[] args){  
        System.out.println("\u000C");  
        int a=75;  
        System.out.println("Bruno Mars your grade is "+a+"%");  
    }  
}
```



## BlueJ: Week2

Project Edit Tools View Help

New Class...



Compile

Brunomars

BlueJ: Terminal Window - Week2

Options

Bruno Mars your grade is 75%

The screenshot shows a Java application window titled "Printer - Week2". The menu bar includes "Tools", "View", "Help", "Class", "Edit", "Tools", and "Options". A toolbar below the menu contains "Compile", "Undo", "Cut", "Copy", "Paste", "Find...", and "Close". The main code editor area displays the following Java code:

```
import java.util.Scanner;
public class Printer{
    public static void main(String[] args){
        System.out.println("\u000C");
        Scanner in = new Scanner(System.in);
        System.out.println("Enter the number of copies to be printed:");
        float n=in.nextFloat();
        if(n<=99) {
            System.out.println("The price per copy is $0.30.");
            System.out.println("The total price for printing the copies is $" +(n*0.30)+".");
        }
        else if(n>=100&&n<=499) {
            System.out.println("The price per copy is $0.28.");
            System.out.println("The total price for printing the copies is $" +(n*0.28)+".");
        }
        else if(n>=500&&n<=799) {
            System.out.println("The price per copy is $0.27.");
            System.out.println("The total price for printing the copies is $" +(n*0.27)+".");
        }
        else if(n>=800&&n<=1000) {
            System.out.println("The price per copy is $0.26.");
            System.out.println("The total price for printing the copies is $" +(n*0.26)+".");
        }
        else if(n>1000) {
            System.out.println("The price per copy is $0.25.");
        }
    }
}
```

New Class...



Compile

Printer

BlueJ: Terminal Window - Week2

Options

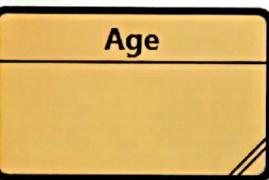
Enter the number of copies to be printed:

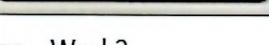
45

The price per copy is \$0.30.

The total price for printing the copies is \$13.5.

Can only enter input while your program is running

New Class... 

Compile 

Age - Week2 

Class Edit Tools Options

Age X 

Compile Undo Cut Copy Paste Find... Close

```
import java.util.Scanner;
public class Age{
    public static void main(String [] args) {
        System.out.println("\u000C");
        Scanner in = new Scanner(System.in);
        System.out.println("Enter your age");
        int age = in.nextInt();
        System.out.println("value of variable age is "+age);
    }
}
```

# BlueJ: Week2

Project Edit Tools View Help

New Class...



Compile

Age

## BlueJ: Terminal Window - Week2

Options

Enter your age

20

value of variable age is 20

BlueJ: Week2

Project Edit Tools View Help

New Class... → Compile

Twointegernumber - Week2

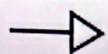
Class Edit Tools Options

Age X Twointegernumber X

Compile Undo Cut Copy Paste Find... Close

```
import java.util.Scanner;
public class Twointegernumber{
    public static void main(String[] args){
        Scanner in = new Scanner(System.in);
        System.out.println("\u000c");
        int a= in.nextInt();
        int b= in.nextInt();
        int add=a+b;
        int sub=a-b;
        int mul=a*b;
        float div=a/b;
        int mo=a%b;
        double exp=Math.pow(a,b);
        System.out.println("Addition:"+add);
        System.out.println("Subtraction"+sub);
        System.out.println("Multiplication:"+mul);
        System.out.println("Division:"+div);
        System.out.println("Modulus:"+mo);
        System.out.println("Exponentiation:"+exp);
    }
}
```

New Class...



Compile

**Twointegernumber****BlueJ: Terminal Window - Week2**

Options

10

11

Addition:21

Subtraction-1

Multiplication:110

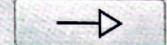
Division:0.0

Modulus:10

Exponentiation:1.0E11



Can only enter input while your program

New Class...  Compile

Twointegervalue - Week2

Class Edit Tools Options

Age X Twointegernumber X Twointegervalue X

Compile Undo Cut Copy Paste Find... Close

```
import java.util.Scanner;
public class Twointegervalue{
    public static void main(String[] args){
        System.out.println("\u000c");
        int A=7;
        int B=5;
        int i,j,fCT=1,FACT=1;
        for (i=1;i<=A;i++){
            fCT=fCT;
        }
        for (i=1;i<=B;i++){
            FACT=FACT;
        }
        System.out.println("The difference is "+(fCT-FACT));
    }
}
```

Week2

The screenshot shows a Java IDE interface with a title bar "Customer - Week2". On the left, there's a sidebar with buttons for "Class...", "New", and "Compile". The main area displays a code editor with the following Java code:

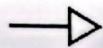
```
import java.util.Scanner;
public class Customer{
    public static void main(String[] args){
        System.out.println("\u000C");
        Scanner in = new Scanner(System.in);
        System.out.println("Please enter your size (S, M, L, XL):");
        String size=in.nextLine();
        switch(size){
            case"S": System.out.println("The number of tshirts available is 30.");
            break;
            case"M": System.out.println("The number of tshirts available is 150.");
            break;
            case"L": System.out.println("The number of tshirts available is 80.");
            break;
            case"XL": System.out.println("The number of tshirts available is 50.");
            break;
            default: System.out.println("Enter a valid size.");
            break;
        }
    }
}
```

At the bottom of the code editor, a status message reads "Class compiled - no syntax errors".

# BlueJ: Week2

Project Edit Tools View Help

New Class...



Compile

**Customer**

BlueJ: Terminal Window - Week2

Options



Please enter your size (S, M, L, XL):

M

The number of tshirts available is 150.

Can only enter input while your program is runn

BlueJ: Week2

Project Edit Tools View Help

New Class... → Compile

Collegecredit - Week2

Class Edit Tools Options

Collegecredit X

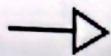
Compile Undo Cut Copy Paste Find... Close

```
import java.util.Scanner;
public class Collegecredit{
    public static void main(String[] args){
        System.out.println("\u000C");
        Scanner in = new Scanner(System.in);
        System.out.println("Enter your college credit");
        int n= in.nextInt();
        if (n>=90) {
            System.out.println("Senior Status");
        }else if (n>=60 && n<90) {
            System.out.println("Junior Status");
        }else if(n>=30 && n<60){
            System.out.println("Sophomore Status");
        }else{
            System.out.println("Freshman Status");
        }
    }
}
```

Class compiled - no syntax errors

Project Edit Tools View Help

New Class...



Compile

Collegecredit

BlueJ: Terminal Window - Week2

Options

Enter your college credit  
**2000**  
Senior Status

BlueJ: Week2

Project Edit Tools View Help

New Class... → Compile

Usersage

Usersage - Week2

Class Edit Tools Options

Usersage X

Compile Undo Cut Copy Paste Find... Close

```
import java.util.Scanner;
public class Usersage{
    public static void main(String[] args){
        System.out.println("\u000c");
        Scanner in = new Scanner(System.in);
        System.out.println("Enter your age");
        int n= in.nextInt();
        if(n>=50){
            System.out.println("Senior");
        }else if(n>=18 && n<50){
            System.out.println("Adult");
        }else{
            System.out.println("Child");
        }
    }
}
```

Class compiled - no syntax errors

# BlueJ: Week2

Project Edit Tools View Help

New Class...

→

Compile

Usersage

BlueJ: Terminal Window - Week2

Options

Enter your age

18

Adult



New Class...



Compile

Storemyname

Storemyname X

```
import java.util.Scanner;
public class Storemyname{
    public static void main (String[] args){
        Scanner input=new Scanner(System.in);
        System.out.println("Enter name please!");
        String myName=input.nextLine();
        System.out.println("my name is Karan Sunar"+myName);
    }
}
```

# BlueJ: Week2

Project Edit Tools View Help

New Class...

→

Compile

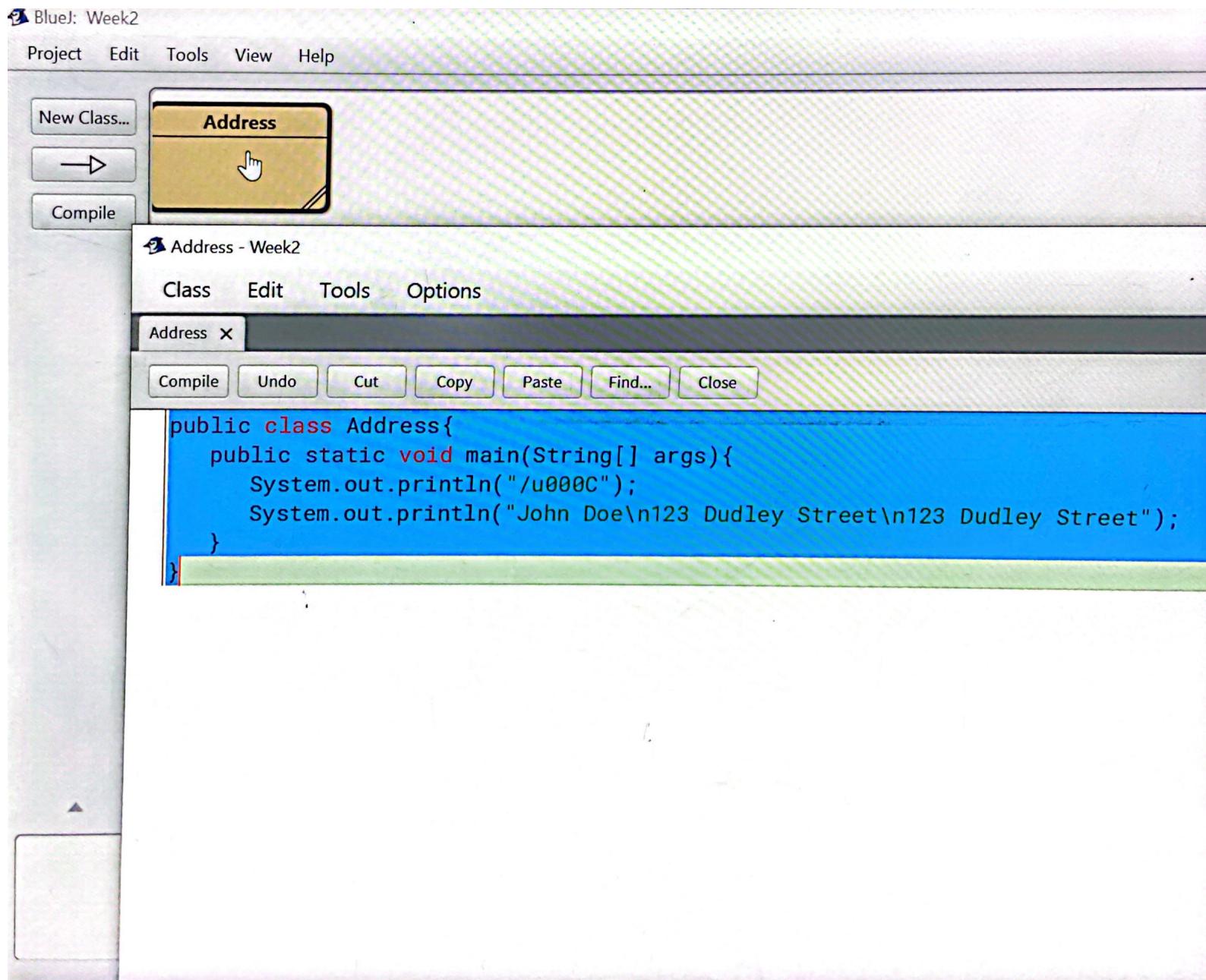
**Storemyname**

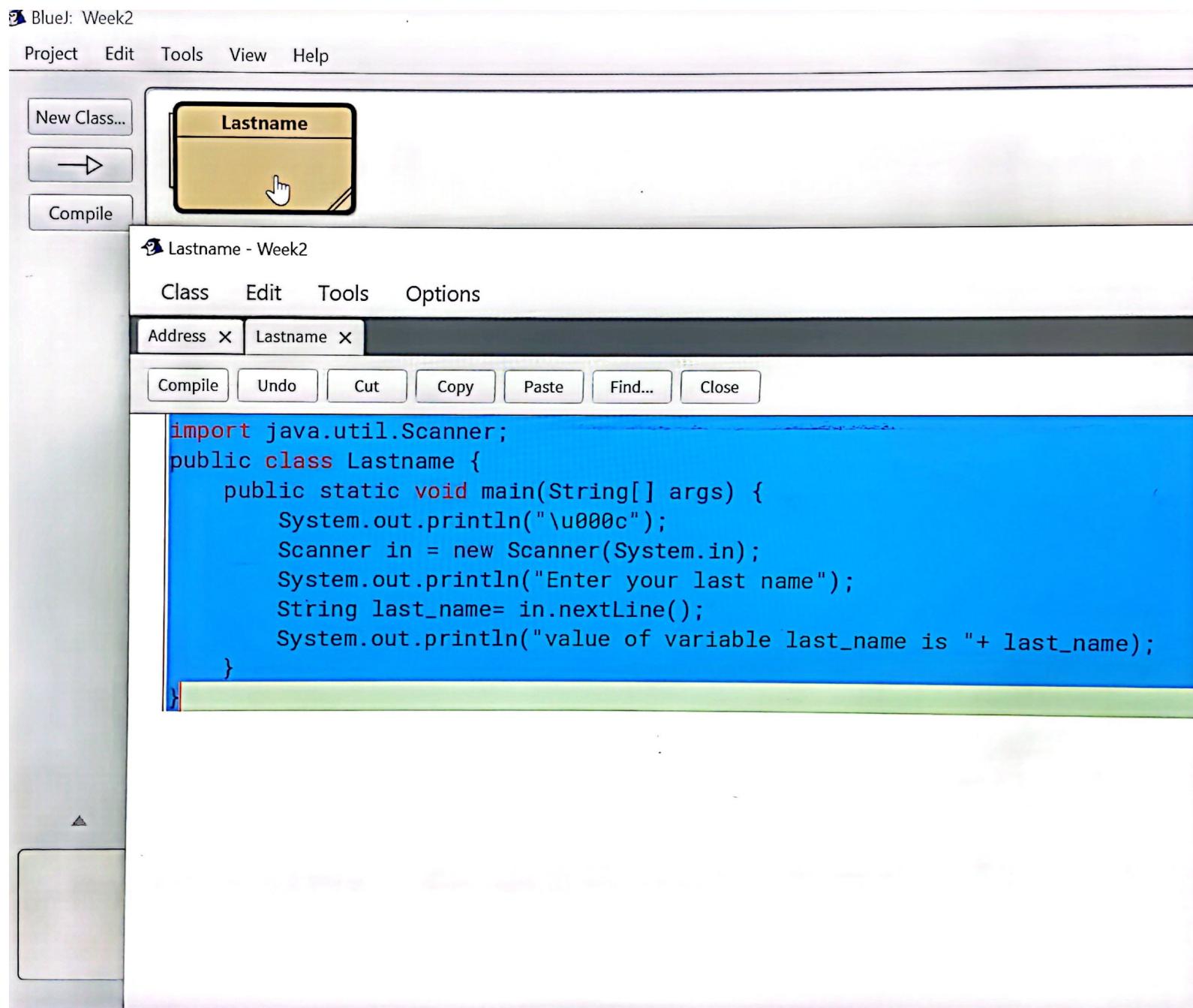
BlueJ: Terminal Window - Week2

Options

Enter name please!

my name is Karan Sunar





New Class...



Compile

Lastname



BlueJ: Terminal Window - Week2

Options

Enter your last name

Sunar

value of variable last\_name is Sunar

Can only enter input what is displayed

New Class...  
→  
Compile

**Positiveornegative**

Positiveornegative - Week2

Class Edit Tools Options

Address X Lastname X Positiveornegative X

Compile Undo Cut Copy Paste Find... Close

```
import java.util.Scanner;
public class Positiveornegative{
    public static void main(String[] args){
        System.out.println("\u000C");
        Scanner in = new Scanner(System.in);
        double n= in.nextDouble();
        if(n>0){
            System.out.println("The Given number is Positive");
        }
        else{
            System.out.println("The Given number is Negative");
        }
    }
}
```



BlueJ: Week2

Project Edit Tools View Help

New Class...



Compile

**Positive or negative**

BlueJ: Terminal Window - Week2

Options

11

The Given number is Positive

New Class...



Compile

GroupB7

GroupB7 - Week2

Class Edit Tools Options

Positiveornegative X

GroupB7 X

Compile

Undo

Cut

Copy

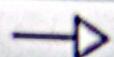
Paste

Find...

Close

```
import java.util.Scanner;
public class GroupB7 {
    public static void main (String [] args) {
        System.out.println("\u000C");
        Scanner in = new Scanner(System.in);
        System.out.println("Input A,B or C");
        char a= in.next().charAt(0);
        if (a=='A'){
            System.out.println("Apple");
        }else if(a=='B'){
            System.out.println("Banana");
        }else if(a=='C'){
            System.out.println("Coconut");
        }
    }
}
```

New Class...



Compile

GroupB7

BlueJ Terminal Window - Week2

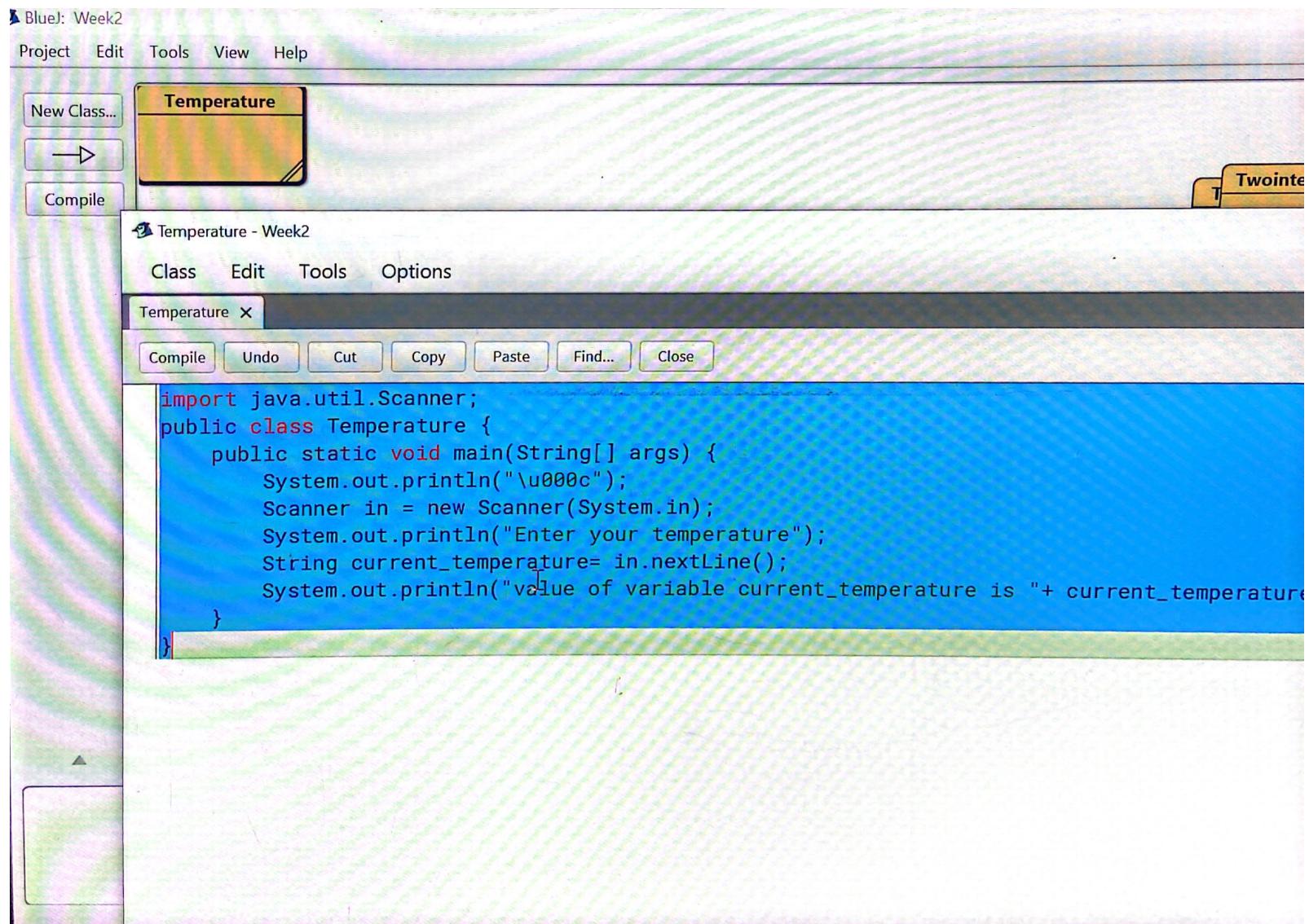
Options

Input A, B or C

A

Apple

Can only enter in



BlueJ: Week2

Project Edit Tools View Help

New Class...



Compile

Temperature

BlueJ: Terminal Window - Week2

Options

Enter your temperature

111

value of variable current\_temperature is 111

Can only enter input while your program is running

BlueJ: Week2

Project Edit Tools View Help

New Class...      Buzznumber

Compile

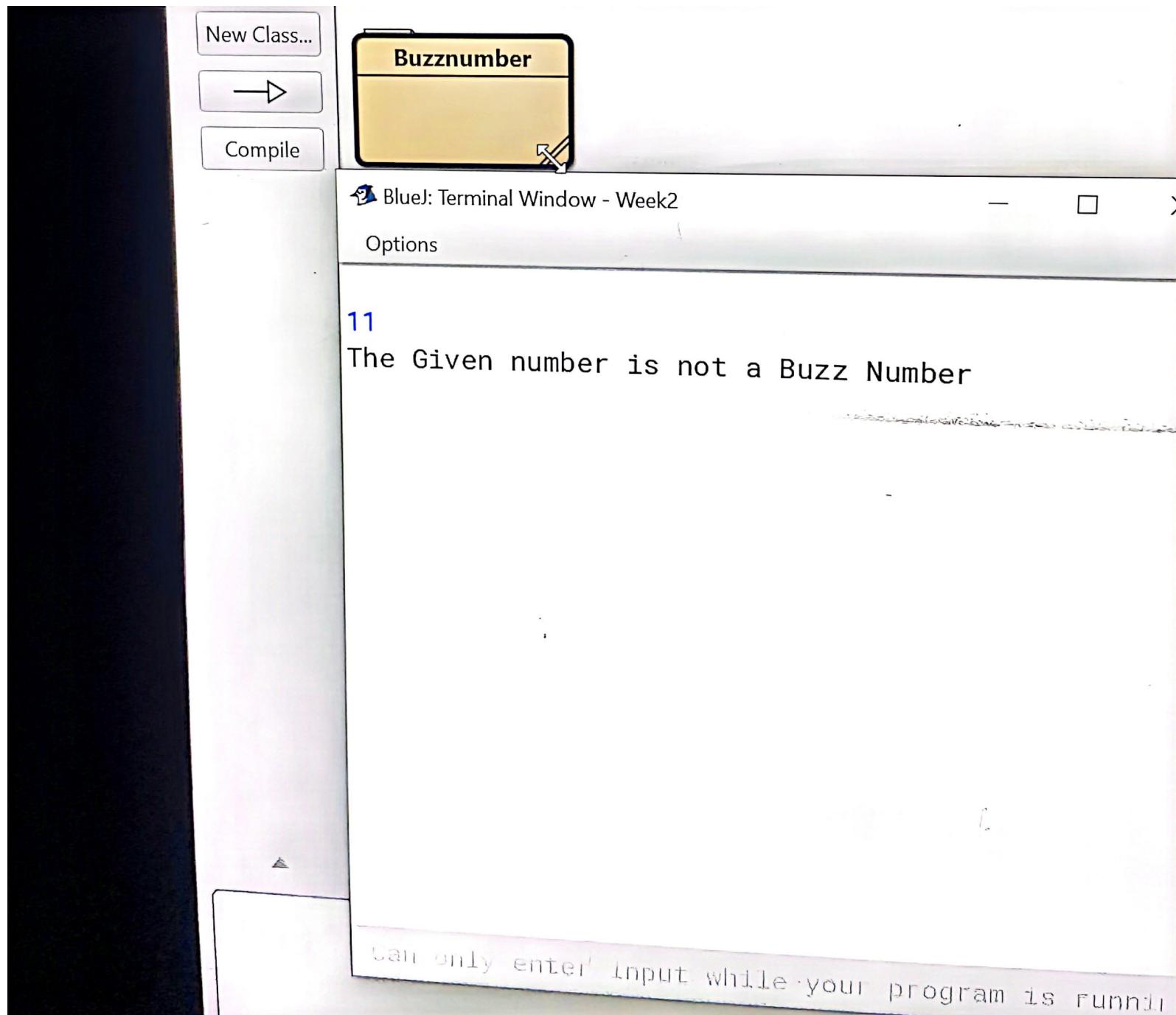
Buzznumber - Week2

Class Edit Tools Options

Buzznumber X

Compile Undo Cut Copy Paste Find... Close

```
import java.util.Scanner;
public class Buzznumber{
    public static void main(String[] args){
        System.out.println("\u000c");
        Scanner in = new Scanner(System.in);
        int n= in.nextInt();
        int a=n%10;
        int b=n%7;
        if(a==7||b==0){
            System.out.println("The Given number is a Buzz Number");
        }else{
            System.out.println("The Given number is not a Buzz Number");
        }
    }
}
```



New Class...      Floor

→      Compile

Floor - Week2

Class Edit Tools Options

Floor X

Compile Undo Cut Copy Paste Find... Close

```
import java.util.Scanner;
public class Floor{
    public static void main(String[] args){
        System.out.println("\u000C");
        Scanner in = new Scanner(System.in);
        System.out.println("Enter the floor you want to go to (1-14)=");
        int floor=in.nextInt();
        int afloor=floor<14?floor-1:floor;
        System.out.println("You are on floor "+afloor);
        if(floor==afloor) {
            System.out.println("This is the actual floor.");
        }
        else{
            System.out.println("This is not the actual floor.");
        }
    }
}
```

New Class...



Compile

Floor

BlueJ: Terminal Window - Week2

Options



Enter the floor you want to go to (1-14)=

10

You are on floor 9

This is not the actual floor.

Can only enter input while your program is running

The screenshot shows the BlueJ IDE interface. On the left, the Project Explorer displays a single class named "Boolean". The main window shows the code for this class:

```
class Boolean{
    public static void main(String[] args){
        boolean b1= true&&true;
        System.out.println(b1);
        boolean b2= true&&false||true;
        System.out.println(b2);
        boolean b3= false&&false||true;
        System.out.println(b3);
        //boolean b4= false&&0;
        //System.out.println(b4);
        boolean b5=!(false)&&true;
        System.out.println(b5);
        boolean b6=!(true&&!(false&&false));
        System.out.println(b6);
        //boolean b7=(10>14)and(4==5);
        //System.out.println(b7);
        //boolean b8=true&&5;
        //System.out.println(b8);
        boolean b9=(3*4)!=(14-2)&&('C'>='D');
        System.out.println(b9);
        boolean b10=(12*2)==(3*8);
        System.out.println(b10);
        boolean b11=(14*2)!=(3*8);
        System.out.println(b11);    }
}
```

