

```
import java.util.Scanner;

public class Employee {

    static String name;
    static int id;
    static double basicpay, da, hra, pf, tax, grosspay, deduction, netpay;

    public static void main(String args[]) {
        acceptInput();
        calculatePay(basicpay);
        displayDetails();
    }

    public static void acceptInput() {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter Employee ID: ");
        id = scanner.nextInt();
        scanner.nextLine();

        System.out.print("Enter Employee Name: ");
        name = scanner.nextLine();

        System.out.print("Enter Basic Pay: ");
        basicpay = scanner.nextDouble();
    }

    public static void calculatePay(double basic) {
        if (basic > 20000) {
            da = 0.585 * basic;
            hra = 0.15 * basic;
            pf = 0.20 * basic;
            tax = 0.17 * basic;
```



```
        hra = 0.15 * basic;
        pf = 0.20 * basic;
        tax = 0.17 * basic;
    } else if (basic > 15000) {
        da = 0.46 * basic;
        hra = 0.12 * basic;
        pf = 0.15 * basic;
        tax = 0.12 * basic;
    } else {
        da = 0.425 * basic;
        hra = 1500;
        pf = 0.10 * basic;
        tax = 0;
    }

    grosspay = basic + da + hra;
    deduction = pf + tax;
    netpay = grosspay - deduction;
}

public static void displayDetails() {
    System.out.println("Employee ID: " + id);
    System.out.println("Employee Name: " + name);
    System.out.println("Basic Pay: " + basicpay);
    System.out.println("DA: " + da);
    System.out.println("HRA: " + hra);
    System.out.println("PF: " + pf);
    System.out.println("Tax: " + tax);
    System.out.println("Gross Pay: " + grosspay);
    System.out.println("Deduction: " + deduction);
    System.out.println("Net Pay: " + netpay);
}
```



Search



Avatar: Fire and Ash -...



ENG

19:47



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Employeeess.java

Share

Run

1 import java.util.Scanner;

2

3 public class Employeeess {

4

5 static String name;

6 static int id;

7 static double basicpay, da, hra, pf, tax, grosspay, deduction

8 , netpay;

9

10 public static void main(String args[]) {

11 acceptInput();

12 calculatePay(basicpay);

13 displayDetails();

14 }

15

16 public static void acceptInput() {

17 Scanner scanner = new Scanner(System.in);

System.out.print("Enter Employee ID: ");

Output

Clear

Enter Employee ID: 100

Enter Employee Name: Shruthi

Enter Basic Pay: 5000

Employee ID: 100

Employee Name: Shruthi

Basic Pay: 5000.0

DA: 2125.0

HRA: 1500.0

PF: 500.0

Tax: 0.0

Gross Pay: 8625.0

Deduction: 500.0

Net Pay: 8125.0

=== Code Execution Successful ===

Windows Search

Avatar: Fire and Ash -...

ENG 19:48

```
import java.util.Scanner;
public class Shape {
    public int volume(int side) {
        return side * side * side;
    }

    public int volume(int length, int breadth, int height) {
        return length * breadth * height;
    }

    public double volume(float radius) {
        return (4.0 / 3) * radius * radius * radius;
    }

    public void Shape() {
        Scanner scanner = new Scanner(System.in);
        Shape obj = new Shape();

        System.out.print("Enter side of cube: ");
        int side = scanner.nextInt();
        System.out.println("Volume of Cube: " + obj.volume(side));

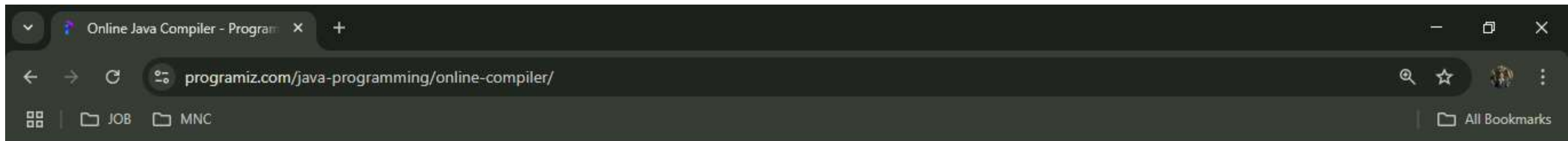
        System.out.print("\nEnter length, breadth and height of cuboid: ");
        int l = scanner.nextInt();
        int b = scanner.nextInt();
        int h = scanner.nextInt();
        System.out.println("Volume of Cuboid: " + obj.volume(l, b, h));

        System.out.print("\nEnter radius of sphere: ");
        float radius = scanner.nextInt();
        System.out.println("Volume of Sphere: " + obj.volume(radius));
    }

    public static void main(String[] args) {
        Shape s = new Shape();
        s.Shape();
    }
}
```







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Shape.java

Share Run

```
1 import java.util.Scanner;
2
3 public class Shape {
4     public int volume(int side) {
5         return side * side * side;
6     }
7
8     public int volume(int length, int breadth, int height) {
9         return length * breadth * height;
10    }
11
12    public double volume(float radius) {
13        return (4.0 / 3) * radius * radius * radius;
14    }
15
16    public void Shape() {
17        Scanner scanner = new Scanner(System.in);
18        Shape obj = new Shape();
```

Output Clear

```
Enter side of cube: 4
Volume of Cube: 64

Enter length, breadth and height of cuboid: 3
3
3
Volume of Cuboid: 27

Enter radius of sphere: 50
Volume of Sphere: 166666.66666666666

=== Code Execution Successful ===
```

Windows taskbar with search, task view, and various application icons.

Rain warning ^ [network icons] ENG 19:50 [chat icon]

```
import java.util.Scanner;

public class BillSearch {

    static int binarySearch(int arr[], int left, int right, int value) {
        if (left > right) {
            return -1;
        }

        int mid = (left + right) / 2;

        if (arr[mid] == value) {
            return mid;
        } else if (value < arr[mid]) {
            return binarySearch(arr, left, mid - 1, value);
        } else {
            return binarySearch(arr, mid + 1, right, value);
        }
    }

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter number of bills: ");
        int n = scanner.nextInt();

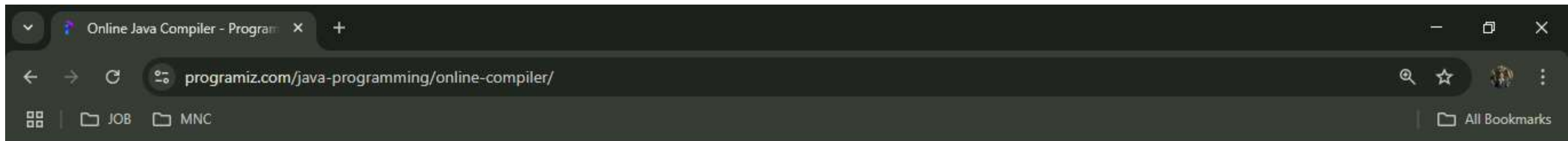
        int bills[] = new int[n];
        System.out.println("Enter bill totals: ");
        for (int i = 0; i < n; i++) {
```



```
    }  
}  
  
public static void main(String[] args) {  
    Scanner scanner = new Scanner(System.in);  
  
    System.out.print("Enter number of bills: ");  
    int n = scanner.nextInt();  
  
    int bills[] = new int[n];  
    System.out.println("Enter bill totals: ");  
    for (int i = 0; i < n; i++) {  
        bills[i] = scanner.nextInt();  
    }  
  
    System.out.print("Enter bill total to search: ");  
    int searchValue = scanner.nextInt();  
  
    int result = binarySearch(bills, 0, n - 1, searchValue);  
  
    if (result == -1) {  
        System.out.println("Bill total not found in the list.");  
    } else {  
        System.out.println("Bill total found at position: " + (result + 1));  
    }  
}
```







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BillSearch.java

Share Run

```
31     }
32
33     System.out.print("Enter bill total to search: ");
34     int searchValue = scanner.nextInt();
35
36     int result = binarySearch(bills, 0, n - 1, searchValue);
37
38     if (result == -1) {
39         System.out.println("Bill total not found in the list
40         .");
41     } else {
42         System.out.println("Bill total found at position: " +
43         (result + 1));
44     }
45 }
46
```

Output

Clear

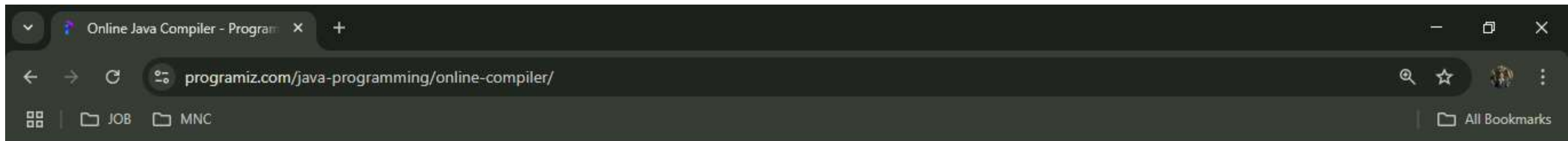
```
Enter number of bills: 5
Enter bill totals:
158
386
478
691
943
Enter bill total to search: 500
Bill total not found in the list.

=== Code Execution Successful ===
```

Windows taskbar with search bar and various application icons.

Rain warning ENG 19:52





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BillSearch.java

Share Run

31 }  
32  
33 System.out.print("Enter bill total to search: ");  
34 int searchValue = scanner.nextInt();  
35  
36 int result = binarySearch(bills, 0, n - 1, searchValue);  
37  
38 if (result == -1) {  
39 System.out.println("Bill total not found in the list  
40 .");  
41 } else {  
42 System.out.println("Bill total found at position: " +  
43 (result + 1));  
44 }  
45 }  
46

Output

Clear

Enter number of bills: 4  
Enter bill totals:  
111  
444  
666  
999  
Enter bill total to search: 444  
Bill total found at position: 2  
  
=== Code Execution Successful ===

Windows taskbar with search bar and various application icons.

System tray showing weather (28°C Cloudy), network status, and time (19:53).