

```
import java.util.Scanner;

public class Employeess {

    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);
}
```

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Employeees.java Share Run Output Clear

```
1 import java.util.Scanner;
2
3 public class Employeees {
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);
18        System.out.print("Enter Employee ID: ");
19        id = scanner.nextInt();
20        System.out.print("Enter Employee Name: ");
21        name = scanner.next();
22        System.out.print("Enter Basic Pay: ");
23        basicpay = scanner.nextDouble();
24
25        calculatePay(basicpay);
26
27        System.out.println("Employee ID: " + id);
28        System.out.println("Employee Name: " + name);
29        System.out.println("Basic Pay: " + basicpay);
30        System.out.println("DA: " + da);
31        System.out.println("HRA: " + hra);
32        System.out.println("PF: " + pf);
33        System.out.println("Tax: " + tax);
34        System.out.println("Gross Pay: " + grosspay);
35        System.out.println("Deduction: " + deduction);
36        System.out.println("Net Pay: " + netpay);
37
38        System.out.println("==== Code Execution Successful ===");
39    }
40
41    public static void calculatePay(double basicpay) {
42        da = basicpay * 0.2;
43        hra = basicpay * 0.15;
44        pf = basicpay * 0.05;
45        tax = basicpay * 0.02;
46        grosspay = basicpay + da + hra - pf - tax;
47        deduction = tax + pf;
48        netpay = grosspay - deduction;
49    }
50
51    public static void displayDetails() {
52        System.out.println("Employee ID: " + id);
53        System.out.println("Employee Name: " + name);
54        System.out.println("Basic Pay: " + basicpay);
55        System.out.println("DA: " + da);
56        System.out.println("HRA: " + hra);
57        System.out.println("PF: " + pf);
58        System.out.println("Tax: " + tax);
59        System.out.println("Gross Pay: " + grosspay);
60        System.out.println("Deduction: " + deduction);
61        System.out.println("Net Pay: " + netpay);
62    }
63}
```

Output:

```
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

*array.txt - Notepad

```
File Edit Format View Help
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;
    }

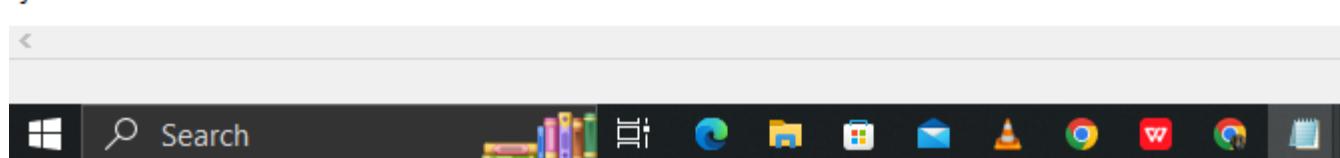
    public void Shape() {
        Scanner scanner = new Scanner(System.in);
        Shape obj = new Shape();

        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();
    }
}
```



Ln 1, Col 26

110%

Windows (CRLF)

UTF-8



Rain warning

ENG 19:50

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Shape.java

Run Clear

```
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

```
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: 166666.6666666666

--- Code Execution Successful ---
```

Search Rain warning ENG 19:50

```
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();

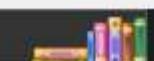
 int bills[] = new int[n];
 System.out.println("Enter bill totals: ");
 for (int i = 0; i < n; i++) {
 bills[i] = scanner.nextInt();
 }

 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));
 }
}

Search



Ln 164, Col 34

140%

Windows (CRLF)

UTF-8



Rain warning



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BillSearch.java

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 } else {
41 System.out.println("Bill total found at position: " +
 (result + 1));
42 }
43 }
44 }
45
46

Run Share Clear

Output

```
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 ===
```

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BillSearch.java

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 } else {
41 System.out.println("Bill total found at position: " +
 (result + 1));
42 }
43 }
44 }
45
46

Run Share Output Clear

Output

```
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 ===
```

Search         

28°C Cloudy  ENG 19:53 