

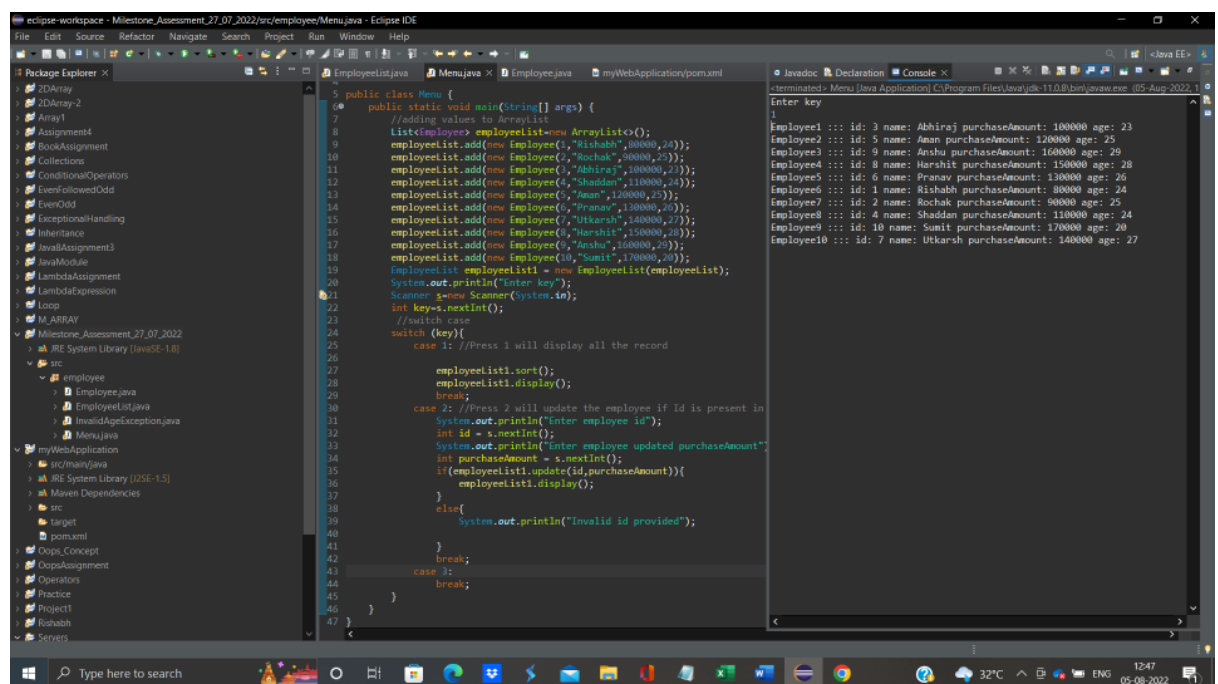
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Output File

- 1.) Press 1 will display all the record in Ascending order on the basis of their Name.



The screenshot shows the Eclipse IDE with the following components:

- Package Explorer:** Shows the project structure with packages like `src/main/java` and `src/main/resources`.
- Editor:** Displays the `Menu.java` file. The code includes a `main` method that initializes an `ArrayList` of `Employee` objects and a `switch` statement to handle user input.
- Console:** Shows the output of the program. It displays the list of employees sorted by name in ascending order after pressing '1'.

```
5 public class Menu {
6     public static void main(String[] args) {
7         //adding values to ArrayList
8         List<Employee> employeeList = new ArrayList<>();
9         employeeList.add(new Employee(1, "Rishabh", 80000, 24));
10        employeeList.add(new Employee(2, "Rochak", 90000, 25));
11        employeeList.add(new Employee(3, "Anshu", 100000, 23));
12        employeeList.add(new Employee(4, "Shadon", 110000, 24));
13        employeeList.add(new Employee(5, "Anam", 120000, 25));
14        employeeList.add(new Employee(6, "Pranav", 130000, 26));
15        employeeList.add(new Employee(7, "Utkarsh", 140000, 27));
16        employeeList.add(new Employee(8, "Harshit", 150000, 28));
17        employeeList.add(new Employee(9, "Anshu", 160000, 29));
18        employeeList.add(new Employee(10, "Sumit", 170000, 20));
19        EmployeeList employeeList1 = new EmployeeList(employeeList);
20        System.out.println("Enter key");
21        Scanner s = new Scanner(System.in);
22        int key = s.nextInt();
23        //switch case
24        switch (key){
25            case 1: //Press 1 will display all the record
26                employeeList1.sort();
27                employeeList1.display();
28                break;
29            case 2: //Press 2 will update the employee if Id is present in
30                System.out.println("Enter employee id");
31                int id = s.nextInt();
32                System.out.println("Enter employee updated purchaseAmount");
33                int purchaseAmount = s.nextInt();
34                if(employeeList1.update(id, purchaseAmount)){
35                    employeeList1.display();
36                }
37                else{
38                    System.out.println("Invalid id provided");
39                }
40                break;
41            case 3:
42                break;
43        }
44    }
45 }
46 }
47 }
```

Console Output:

```
Enter key
1
Employee1 ::: id: 3 name: Abhiraj purchaseAmount: 100000 age: 23
Employee2 ::: id: 5 name: Anam purchaseAmount: 120000 age: 25
Employee3 ::: id: 9 name: Anshu purchaseAmount: 160000 age: 29
Employee4 ::: id: 8 name: Harshit purchaseAmount: 150000 age: 28
Employee5 ::: id: 6 name: Pranav purchaseAmount: 130000 age: 26
Employee6 ::: id: 1 name: Rishabh purchaseAmount: 80000 age: 24
Employee7 ::: id: 2 name: Rochak purchaseAmount: 90000 age: 25
Employee8 ::: id: 4 name: Shadon purchaseAmount: 110000 age: 24
Employee9 ::: id: 10 name: Sumit purchaseAmount: 170000 age: 20
Employee10 ::: id: 7 name: Utkarsh purchaseAmount: 140000 age: 27
```

- 2.) Press 2 will update the purchaseAmount field using Id

