

Question - 1

Adv Java 1

SCORE: 5 points

Adv Java 1

What is the type of inheritance demonstrated below?

```
public class Vehicles {  
.....  
}  
public class Cars extends Vehicles {  
.....  
}  
public class Trucks extends Vehicles {  
.....  
}  
public class Bus extends Vehicles {  
.....  
}
```

- ☐ Single
- ☐ Multiple
- ☐ Multilevel
- ☒ Hierarchical

Question - 2

Adv Java 2

SCORE: 5 points

Adv Java 2

In the statement : `import java.util.Scanner;` what does Scanner represent?

- ☐ package
- ☒ class
- ☐ library
- ☐ interface

Question - 3

Adv Java 3

SCORE: 5 points

Adv Java 3

Consider that we have declared a priority queue of type String-queue that contains the following elements that are added to the queue in the following order: Amrita,Vijay,Jaikar,Raj.Assuming the code is syntactically correct,What will be ouput if the following statement?
System.out.println(queue.element());

- ☒ Amrita
- ☐ Raj
- ☐ Amrita
Raj
Jaikar
Vijay

Question - 4

Adv Java 4

SCORE: 5 points

Adv Java 4

Consider we have created an ArrayList of type String . The following elements are added to the list in the following order-Ravi,Vijay,Chavi,Ajay,Mani.Assuming the code is syntactically correct,What will be the output if the following code ?
import java.util.*;

.....
Iterator itr=list.iterator();
while(itr.hasNext()){
System.out.println(itr.next());
.....

- ☐ Ravi
Mani
Vijay
Chavi
Ajay
- ☐ Ravi
Vijay
Mani
Chavi
Ajay
- ☐ Ravi
Vijay
Chavi
Mani
Ajay
- ☒ Ravi
Vijay
Chavi
Ajay
Mani

Question - 5

Adv Java 5

SCORE: 5 points

Adv Java 5

Consider we have created a List of integers which consists of number 1,2,3 which are added to the list in the same order.Assuming the code is written syntactically correct,What is the output of the following code?

```
int removedNumber = numbers.remove(1);
```

```
System.out.println("Removed Element: " + removedNumber);
```

- ☐ Removed Element: 1
- ☐ Removed Element: 3
- ☒ Removed Element: 2
- ☐ Error is displayed

Question - 6

Adv Java 6

SCORE: 5 points

Adv Java 6

```
Predict the output : class Vehicle {  
void start() {  
System.out.println("Vehicle started");  
}  
}  
class Car extends Vehicle {  
void start() {  
System.out.println("Car started");  
}  
}  
class Bike extends Vehicle {  
void start() {  
System.out.println("Bike started");  
}  
}  
public class Test {  
public static void main(String[] args) {  
Vehicle v;  
v = new Car();  
v.start();  
v = new Bike();  
v.start();  
}  
}
```

- ☐ Vehicle started Vehicle started
- ☒ Car started
Bike started
- ☐ Bike started
Car started
- ☐ Compilation error

Question - 7

SCORE: 5 points

What will be the expected output of the following snippet : `Set<String> set = new TreeSet<>();`
`set.add("banana");`
`set.add("apple");`
`set.add("mango");`
`System.out.println(set);`

- ☐ [banana, apple, mango]
- ☒ [apple, banana, mango]
- ☐ [mango, banana, apple]
- ☐ [apple, mango, banana]

Question - 8

SCORE: 5 points

Adv Java 8

```
public class Demo {  
    public static void main(String[] args) {  
        int[] arr = new int[5];  
        try {  
            arr[10] = 10;  
            arr[4]=11;  
            System.out.println("Value inserted successfully!");  
        } catch (ArrayIndexOutOfBoundsException e) {  
            System.out.println("Array index out of bounds: " + e.getMessage());  
        } finally {  
            System.out.println(arr[4]);  
            System.out.println("Finally block executed.");  
        }  
    }  
}
```

What will be the output of the above code ?

- ☐ Array index out of bounds: 10
Finally block executed.
- ☐ Array index out of bounds: Index 10 out of bounds for length 5
11
Finally block executed.
- ☒ Array index out of bounds: Index 10 out of bounds for length 5
0
Finally block executed
- ☐ Array index out of bounds: No message
Finally block executed.

Question - 9

SCORE: 5 points

What will be the output for following code Snippet ?

```
public class Demo {
    public static void main(String[] args) {
        List<Integer> list1 = new ArrayList<>(Arrays.asList(1, 2, 3, 4, 5));
        List<Integer> list2 = new ArrayList<>(Arrays.asList(4, 5, 6, 7, 8));
        list1.retainAll(list2);
        System.out.println(list1);
    }
}
```

- ☒ [4,5]
- ☐ [1,2,3,4,5]
- ☐ [4,5,4,5]
- ☐ [6,7,8]

Question - 10

SCORE: 5 points

Adv Java 10

What will be the output?

```
public class Test{
    public static void main(String args[]) {
        Map m = new HashMap();
        m.put(null, "Test");
        m.put(null, "Fest");
        System.out.println(m);
    }
}
```

- ☒ {null=Fest} -- answer
- ☐ {null=Test}
- ☐ compilation error at 7 and 8
- ☐ compilation error at 8, about can't override the value "Test"

Question - 11

SCORE: 5 points

Adv Java 11

what will be the output of following code ?

```
class Animal {
    void eat() {
```

```
        System.out.println("Eating");
    }
}

class Bird extends Animal {
    void eat() {
        System.out.println("Bird eating");
    }
}

public class Test {
    public static void main(String[] args) {
        Animal a = new Bird();
        a.eat();
    }
}
```

- ☐ Eating
- ☒ Bird eating
- ☐ Compilation Error
- ☐ Runtime Error

Question - 12

Adv Java 12

SCORE: 5 points

Adv Java 12

what will be the output of following code snippet ?

```
LinkedList<String> list = new LinkedList<>();
list.add("First");
list.add("Second");
list.addFirst("Third");
list.addFirst("Zero");
System.out.println(list.getFirst());
```

- ☐ First
- ☐ Second
- ☐ Third
- ☒ Zero

Question - 13

Adv Java 13

SCORE: 5 points

Adv Java 13

Analyze the following code snippet:

```
try {
```

```
int[] arr = new int[2];
arr[5] = 10;
} catch (ArrayIndexOutOfBoundsException e) {
    System.out.println("ArrayIndexOutOfBoundsException caught");
} finally {
    System.out.println("Finally block executed");
}
```

What will be the output?

- ☐ ArrayIndexOutOfBoundsException caught
- ☐ Finally block executed
- ☒ ArrayIndexOutOfBoundsException caught
Finally block executed
- ☐ Compilation error

Question - 14

Adv Java 14

SCORE: 5 points

Adv Java 14

what will be the output of following code snippet ?

```
HashSet<String> set = new HashSet<>();
set.add("A");
set.add("B");
set.add("A");
set.add("C");
set.add("A");
set.add("C");
set.add("B");
set.add("D");
System.out.println(set.size());
```

- ☐ 8
- ☒ 4
- ☐ 3
- ☐ 2

Question - 15

Adv Java 15

SCORE: 5 points

Adv Java 15

What will be the output of following code snippet ?

```
class Parent {
    void display() {
```

```
        System.out.println("Parent");
    }
}

class Child extends Parent {
    void display() {
        System.out.println("Child");
    }
}

public class Test {
    public static void main(String[] args) {
        Parent p = new Child();
        p.display();
    }
}
```

- ☐ Parent
- ☐ Compilation Error
- ☐ Runtime Error
- ☒ Child

Question - 16

AdvanceJava_1_S

SCORE: 5 points

Advance_Java

Consider the following code snippet. What will be the output?

```
List<String> list = new ArrayList<>();
list.add("A");
list.add("B");
list.add(1, "C");
System.out.println(list);
```

- ☒ [A, C, B]
- ☐ [A, B, C]
- ☐ [C, A, B]
- ☐ [A, B]

Question - 17

AdvanceJava_2_S

SCORE: 5 points

Advance_Java

What will happen if an exception is not caught in a Java program?

- ☐ The program will continue executing.
- ☒ The program will terminate.
- ☐ The program will ignore the exception.

☐ The exception will be handled by the JVM and the program will continue.

Question - 18

AdvanceJava_3_S

SCORE: 5 points

Advance_Java

Consider the following code snippet. What type of exception will be thrown?

```
int[] arr = new int[5];
```

```
System.out.println(arr[5]);
```

- ☒ ArrayIndexOutOfBoundsException
- ☐ NullPointerException
- ☐ IndexOutOfBoundsException
- ☐ ArithmeticException

Question - 19

AdvanceJava_4_S

SCORE: 5 points

Advance_Java

Consider the following code snippet. What will be the output?

```
class Animal {
    void makeSound() {
        System.out.println("Animal makes sound");
    }
}

class Dog extends Animal {
    void makeSound() {
        System.out.println("Dog barks");
    }
}

public class Test {
    public static void main(String[] args) {
        Animal a = new Dog();
        a.makeSound();
    }
}
```

- ☐ Animal makes sound
- ☒ Dog barks
- ☐ Compilation error
- ☐ Runtime error

Question - 20

AdvanceJava_5_S

SCORE: 5 points

What is polymorphism in Java?

- ☐ The ability to have multiple constructors in a class.
- ☒ The ability of different classes to be treated as instances of the same class through inheritance.
- ☐ The ability to write a class that can be used with any data type.
- ☐ The ability to use multiple interfaces in a class.

Question - 21

JDBC 1

SCORE: 5 points

JDBC 1

Which among the following is the correct way to create a Statement object "sta" inside the Connection object "conn"?

- ☒ Statement sta = conn.createStatement();
- ☐ Statement sta = conn.Statement();
- ☐ Statement sta = createStatement();
- ☐ Statement sta = conn.Statementcreation();

Question - 22

JDBC 2

SCORE: 5 points

JDBC 2

```
public static void selectData(Connection c, String sql) throws SQLException{
Statement stmt = c.createStatement();
ResultSet rs = stmt.executeQuery(sql);
while (rs.next()) {
System.out.println(rs.getInt(1));
System.out.println(rs.getString(2));
}
}
```

In the above code, what does "rs.getString(2)" do?

- ☐ Inserts a string into the second column of the ResultSet
- ☐ Updates a string in the second column of the ResultSet
- ☐ Deletes a string from the second column of the ResultSet
- ☒ Retrieves a string from the second column of the ResultSet

Question - 23

JDBC 3

SCORE: 5 points

Which of the following method is used to perform DML statement-INSERT in JDBC?

- ☐ executeResult()
- ☐ executeQuery()
- ☒ executeUpdate()
- ☐ execute()

Question - 24

JDBC 4

SCORE: 5 points

What is the purpose of a PreparedStatement in JDBC?

- ☐ To execute SQL queries and retrieve results
- ☒ To insert, update, or delete data in a database
- ☐ To retrieve metadata about a database
- ☐ To handle exceptions in JDBC operations

Question - 25

JDBC 5

SCORE: 5 points

Which method in JDBC is used to execute an SQL query and retrieve the result as a ResultSet object?

- ☒ executeQuery()
- ☐ executeUpdate()
- ☐ execute()
- ☐ executeResult()

Question - 26

JDBC 6

SCORE: 5 points

What should be present in blank for the below SQL statement ?

```
PreparedStatement ps = con.prepareStatement("select * from student");  
ResultSet rs = ps.execute____();
```

- ☐ Update
- ☐ Select
- ☒ Query
- ☐ None of the above

Question - 27

JDBC 7

SCORE: 5 points

JDBC 7

Given the following code snippet, what will be the output?

```
String query = "SELECT name, age FROM Employees";
Statement stmt = con.createStatement();
ResultSet rs = stmt.executeQuery(query);
while (rs.next()) {
    System.out.println(rs.getString("name") + " " + rs.getInt("age"));
}
```

Assume the Employees table has the following data:

name	age
John	30
Jane	25

- ☒ John 30
Jane 25
- ☐ name age
John 30
Jane 25
- ☐ Jane 25
- ☐ John 30

Question - 28

JDBC 8

SCORE: 5 points

JDBC 8

What does setAutoCommit(false) do?

- ☐ commits transaction after each query
- ☐ explicitly commits transaction
- ☒ does not commit transaction automatically after each query
- ☐ never commits transaction

Question - 29

JDBC 9

SCORE: 5 points

Which JDBC interface is responsible for managing transactions in JDBC?

- ☒ java.sql.Connection
- ☐ java.sql.Statement
- ☐ java.sql.ResultSet
- ☐ java.sql.Transaction

Question - 30

JDBC 10

SCORE: 5 points

Which of these obtains a Connection?

- ☐ Connection.getConnection(url)
- ☐ Driver.getConnection(url)
- ☒ DriverManager.getConnection(url)
- ☐ new Connection(url)

Question - 31

JDBC 11

SCORE: 5 points

How do you set a string parameter in a `PreparedStatement`?

- ☐ setParameter()
- ☐ setValue()
- ☒ setString()
- ☐ setText()

Question - 32

JDBC 12

SCORE: 5 points

what the following code snippet does ?

```
if (rs.next()) {
```

```
} // Process the row
```

- ☐ set the maximum number of rows that a `Statement` object can return?
- ☒ handle SQL warnings
- ☐ check whether a `ResultSet` object contains more rows

Question - 33

JDBC 13

SCORE: 5 points

JDBC 13

what will be the output of following code snippet ?

```
try {  
    Connection connection = DriverManager.getConnection("jdbc:derby: :C//MyDB;create=true");  
    System.out.println("Connected to the database successfully.");  
} catch (SQLException e) {  
    e.printStackTrace();  
}
```

- ☐ Error: Could not establish a connection.
- ☐ Exception in thread "main" java.sql.SQLException: No suitable driver found
- ☐ Connected to the database, but an error occurred.
- ☒ Connected to the database successfully.

Question - 34

JDBC 14

SCORE: 5 points

JDBC 14

What must be the first characters of a database URL?

- ☒ jdbc:
- ☐ jdbc,
- ☐ db:
- ☐ db,

Question - 35

JDBC 15

SCORE: 5 points

JDBC 15

Which class is used to establish a connection to a database in JDBC?

- ☐ Connction
- ☐ Statement
- ☒ DriverManager
- ☐ ResultSet

Question - 36
JDBC_5_S

SCORE: 5 points

JDBC

What does JDBC stand for?

- ☒ Java Database Connectivity
- ☐ Java Data Connectivity
- ☐ Java Database Command
- ☐ Java Data Control

Question - 37
JDBC_4_S

SCORE: 5 points

JDBC

Which method is used to execute a query that returns a ResultSet object?

- ☐ executeUpdate()
- ☒ executeQuery()
- ☐ execute()
- ☐ executeResultSet()

Question - 38
JDBC_3_S

SCORE: 5 points

JDBC

Consider the following code snippet. What does it do?
String url = "jdbc:derby://localhost:3306/mydatabase";
Connection conn = DriverManager.getConnection(url);

- ☐ It registers the JDBC driver.

- ☐ It closes the database connection.
- ☒ It establishes a connection to the MySQL database.
- ☐ It executes a SQL query.

Question - 39

JDBC_2_S

SCORE: 5 points

JDBC

Which of the following is correct about PreparedStatement?

- ☐ It is used for batch updates.
- ☐ It is used to execute stored procedures.
- ☒ It allows you to set parameters dynamically.
- ☐ It doesn't support SQL queries.

Question - 40

JDBC_1_S

SCORE: 5 points

JDBC

Which of the following is a valid method to release a database connection in JDBC?

- ☒ conn.close()
- ☐ conn.disconnect()
- ☐ conn.terminate()
- ☐ conn.shutdown()

Question - 41

Java Web 1

SCORE: 5 points

Java Web 1

Which method takes responsibility to check the type of request received from the client and respond accordingly?

- ☐ init()
- ☒ service()
- ☐ destroy()
- ☐ request()

Question - 42

Java Web 2

SCORE: 5 points

Java Web 2

When a URL specific to a particular servlet is triggered, the _____ method is invoked.

- ☒ init()
- ☐ service()
- ☐ destroy()
- ☐ request()

Question - 43

Java Web 3

SCORE: 5 points

Java Web 3

_____ method is called by the Servlet when wanting to halt the current or background threads

- ☐ init()
- ☐ service()
- ☒ destroy()
- ☐ request()

Question - 44

Java Web 4

SCORE: 5 points

Java Web 4

_jspinit() method is invoked in which phase of the JSP Life cycle?

- ☐ Instantiation
- ☒ Initialisation
- ☐ Request Processing
- ☐ Destroy

Question - 45

Java Web 5

SCORE: 5 points

Java Web 5

_jspservice() method is invoked in which phase of the JSP Life cycle?

- ☐ Instantiation
- ☐ Initialisation
- ☒ Request Processing
- ☐ Destroy

Question - 46

SCORE: 5 points

Java Web 6

Java Web 6

Which of the following code is used to get an attribute in a HTTP Session object in servlets?

- ☒ session.getAttribute(String name)
- ☐ session.alterAttribute(String name)
- ☐ session.updateAttribute(String name)
- ☐ session.setAttribute(String name)

Question - 47

SCORE: 5 points

Java Web 7

Java Web 7

What will be the output for the following code?

```
<html><body>
<% int i = 20 ;%>
<% while(i>=15) { %>
out.print(i);
<% } %>
</body></html>
```

- ☐ 20
- ☐ 15
- ☐ 2.02E+0.11
- ☒ None of the above

Question - 48

SCORE: 5 points

Java Web 9

Java Web 9

```
protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException{
    response.setContentType("text/html");
    PrintWriter out = response.getWriter();
    Out.println("<h2>Welcome to Servlets</h2>");
}
```

What will be displayed when this Servlet is accessed through a browser?

- ☐ An Error message
- ☐ Welcome
- ☒ Welcome To Servlets
- ☐ Compilation error

Question - 49

SCORE: 5 points

Java Web 10

Java Web 10

What is the purpose of the web.xml file in a servlet-based web application?

- ☐ To define the HTML structure of web pages
- ☒ To configure the servlet container and servlet mappings
- ☐ To store client-side JavaScript code
- ☐ To define the database schema

Question - 50

SCORE: 5 points

Java Web 11

Java Web 11

How do you set an attribute in a request object from a Servlet?

- ☒ setAttribute()
- ☐ addAttribute()
- ☐ putAttribute()
- ☐ setParam()

Question - 51

SCORE: 5 points

Java Web 12

Java Web 12

what the of following code snippet does?

```
<form action="submitServlet" method="post">
  <input type="text" name="username" />
  <input type="submit" value="Submit" />
</form>
```

- ☐ read data from an HTTP request?
- ☐ access session attributes in a Servlet
- ☒ handle form submission in a JSP page
- ☐ create a scriptlet in JSP

Question - 52

Java Web 13

SCORE: 5 points

Java Web 13

what the of following code snippet does?

```
RequestDispatcher dispatcher = request.getRequestDispatcher("result.jsp");
dispatcher.forward(request, response);
```

- ☐ include a JSP file in another JSP file
- ☒ forward a request from a Servlet to a JSP page?
- ☐ handle form submission in a JSP page
- ☐ used to read data from an HTTP request

Question - 53

Java Web 8

SCORE: 5 points

Java Web 8

Which of the following is a JSP declaration?

- ☐ <%-- code --%>
- ☐ <% code %>
- ☐ <%= code %>
- ☒ <%! code %>

Question - 54

Java Web 14

SCORE: 5 points

How do you include a JSP file in another JSP file?

- ☐ <include file="header.jsp"/>
- ☐ <jsp:forward page="header.jsp"/>
- ☒ <jsp:include>
- ☐ <include page="header.jsp"/>

Question - 55

Java Web 15

SCORE: 5 points

Which tag is used to create a scriptlet in JSP?

- ☐ <scriptlet>
- ☐ <jsp:scriptlet>
- ☐ <%-- --%>
- ☒ <% %>

Question - 56

JavaWeb_5_S

SCORE: 5 points

What is the file extension for a JSP file?

- ☒ .jsp
- ☐ .html
- ☐ .java
- ☐ .xml

Question - 57

JavaWeb_3_S

SCORE: 5 points

Consider the following code snippet. What will be the output if the servlet is accessed with the URL /hello?

```
@WebServlet("/hello")
public class HelloServlet extends HttpServlet {
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException,
        IOException {
        PrintWriter out = response.getWriter();
        out.println("Hello, World!");
    }
}
```

- ☐ Hello, Servlet!
- ☒ Hello, World!
- ☐ Compilation error
- ☐ Runtime error

Question - 58

JavaWeb_2_S

SCORE: 5 points

JavaWeb

Consider the following code snippet in a JSP page. What will be the output?

```
<%! int count = 0; %>
```

```
<%= ++count %>
```

- ☒ 0
- ☐ 1
- ☐ Compilation error
- ☐ Runtime error

Question - 59

JavaWeb_4_S

SCORE: 5 points

JavaWeb

In JSP, which tag is used to forward the request to another resource (such as another JSP or servlet)?

- ☒ `<jsp:forward page="..." />`
- ☐ `<jsp:include page="..." />`
- ☐ `<%@ forward file="..." %>`
- ☐ `<%! include file="..." %>`

Question - 60

JavaWeb_1_S

SCORE: 5 points

JavaWeb

Which tag is used to insert a Java expression directly into the output in a JSP page?

- ☐ <% %>
- ☒ <%= %>
- ☐ <%! %>

Question - 61
Arraylist_Iterator

SCORE: 10 points

You are required to manipulate an ArrayList of integers using an Iterator. Write a program that performs the following tasks:
Add several integers to the ArrayList.
Use the Iterator to remove all even numbers from the list.

Sample Input 1 :
Initial ArrayList: [1, 2, 3, 4, 5, 6]

Sample Output 1 :
After removing even numbers, the expected ArrayList should be: [1, 3, 5]

Question - 62
LINKEDLIST_REVERSESORT_CHECKELEMENT

SCORE: 10 points

Advanced_Java

Write a Java code that:

1. Accepts the size of a list,say n.
2. Create a Linked List of Strings of size n which accepts and stores values .
3. Accept an element, whose count is to be displayed (i.e. the number of times
4. Display the count if the element that is being searched is present in the list

the element is present in the list), if present.
else display the sorted list, sorted in descending order.

Sample Input 1
5
10
Sameeksha
5
Ritin
Sameeksha
Sameeksha

Sample Output1
2

Sample Input 2
3
1
Rekha
114
Seema

Sample Output2
Rekha
114
1

Java - Flight

NOTE: ANY MEANS OF INTENDED PLAGIARISM WHILE ATTEMPTING THIS QUESTION IS LIABLE TO HIGHEST POSSIBLE STRICT HR ACTIONS AS IT IS VIOLATION OF INTEGRITY. HENCE, REFRAIN FROM ANY SUCH MEANS AND ATTEMPT THIS QUESTION AS PER YOUR EXPERTISE ONLY.

Create a class Flight with below attributes:

flightNumber : int
origin : String
destination : String
distance : double (in miles)
pricePerMile : double (in dollars)

Write getters, setters and parameterized constructor in the above-mentioned attribute sequence as required.

Create class Solution with main method

Implement two static methods – **findTotalPriceOfFlightByFlightNumber** and **findFlightWithSecondLowestPricePerMile** in Solution class.

findTotalPriceOfFlightByFlightNumber

Create a static method **findTotalPriceOfFlightByFlightNumber** in the Solution class. This method will take two parameters, an array of Flight objects and one int parameter (flight number) and return the total price of flight of mentioned flightNumber. If no flights are present in the array of Flight objects with mentioned flight number , then the method should return zero.

Total Price = distance * pricePerMile

findFlightWithSecondLowestPricePerMile

Create a static method **findFlightWithSecondLowestPricePerMile** in the Solution class. This method will take an array of Flight objects and return the flight object with the second lowest price .If no flights are present with the second lowest price per mile, then the method should return null.

These methods should be called from the main method.

Write code to perform the following tasks :

1. Take the necessary input variable and call **findTotalPriceOfFlightByFlightNumber**. For this method - The main method should print the total price of flight with matching flight number given if the returned value is not 0, or it should print **"No Flight found for mentioned flight number."**
2. Take the necessary input variable and call **findFlightWithSecondLowestPricePerMile**. For this method - The main method should print the flight details of the flight object with second lowest price per mile if the returned value is not null, or it should print **"No Flight found"**

Note:

The above-mentioned static methods should be called from the main method. Also write the code for accepting the inputs and printing the outputs. Don't use any static test or formatting for printing the result.

Just invoke the method and print the result

Note: All String comparison needs to be case in-sensitive.

You can use/refer to the below given sample input and output to verify your solution.

The 1st input taken in the main section is the number of flight objects to be added to the list of Flights.

The next set of inputs are flightNumber,origin,destination,distance(in miles),pricePerMile(in dollars)for each Flight object taken one after another and is repeated for the number of Flights objects given in the first line of input.

Consider below sample input and output to test your code:

Sample input - 1

4
1001
New York
Los Angeles
2450
0.15
1002
London
Paris
215
0.25
1003
Tokyo
Sydney
4900
0.18
1004
Toronto
Vancouver
2100
0.22
1003

Sample Output - 1

Total Price - 882.0
flightNumber-1003
origin-Tokyo
destination-Sydney
distance-4900.0
pricePerMile-0.18

Sample Input - 2

5
1005
Dubai
Istanbul
2400
0.20
1006
Cape Town
Nairobi
3400
0.30
1007
Moscow
Berlin

1200
0.12
1008
Buenos Aires
Rio de Janeiro
1000
0.16
1009
Sydney
Auckland
1300
0.17
1006

Sample Output - 2

Total Price - 1020.0
flightNumber-1008
origin-Buenos Aires
destination-Rio de Janeiro
distance-1000.0
pricePerMile-0.16

Question - 64

Java Advance SBQ Event Management

SCORE: 30 points

CORE JAVA

Create a class Event with the below attributes:

eventId-int
eventName-String
location-String
eventfee-int
eventAttendee-int

The above attributes should be private. Write getters, setters and parameterized constructor as required.

Create class Solution with main method.

Implement two static method-findCountOfEventLocation and getLowestEventByPrice in solution class.

findCountOfEventByAttendee method:

This method will take array of Event objects and an integer value as input parameters.This method will return the count of event from an array of event objects for the given eventAttendee (int parameter passed).

If no event with the given quantity is present in the array of event objects,then the method should return 0.

getLowestEventByPrice method:

This method will take array of object and an String value as input parameter.This method will return the event object with lowestPrice for the given location.if no Product with the above condition present in the array of object then the method should return null.

Note- No event will have unique eventId
All searches should be case insensitive.

The above-mentioned static method should be called from the main method.

For findCountOfEventLocation method - The main method should print the returned count as it is if the returned value is greater than 0 or it should print "No such event found."

For getLowestEventByPrice method - The main method should print the eventname,location and fee from the returned event object if the returned value is not null. If the returned value is null then it should print "No such event found."

Before calling these static methods in main, use Scanner object to read the values of four event objects referring to attributes in the above-mentioned attribute sequence.

Next, read the value of the int parameter and a String parameter for capturing eventAttendee and event fees respectively.

Consider below sample input and output:

Test case1:

101
Marriage
Mumbai
40000
200
102
Birthday
kolkata
15000
100
103
MARRIAGE
Delhi
19000
200
104
marriage
mumbai
35000
150
200
mumbai

Output:

2
marriage
mumbai
35000

Test case2:

101
Marriage
Mumbai
40000
200
102
Birthday
kolkata
15000
100
103
MARRIAGE
Delhi
19000
200

104

marriage

mumbai

35000

150

300

pune

Output:

No such event found.

No such event found.

```
public class Solution
{
public static void main(String[] args)
{
//code to read values
//code to call required method
//code to display the result
}
//code the first method
//code the second method
}
//code the class
```

Note on using Scanner object:

Sometimes scanner does not read the new line character while invoking methods like nextInt(), nextDouble() etc.

Usually, this is not an issue, but this may be visible while calling nextLine() immediately after those methods.

Consider below input values:

smartphones

15000

Referring below code:

```
Scanner sc = new Scanner(System.in);
```

```
int x = sc.nextInt();
```

```
String str = sc.nextLine(); -> here we expect str to have value Savings. Instead it may be "".
```

If the above issue is observed, then it is suggested to add one more explicit call to nextLine() after reading the numeric value