Q1.

Code:

|  |
| --- |
| ***package Q\_01; import javax.swing.\*; public class question\_01 {  public static void main(String[] args) {  JFrame frame = new JFrame("Welcome to Java");  frame.setSize(800, 600);  frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  frame.setVisible(true);  }  }*** |

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q2.

Code:

|  |
| --- |
| ***package Q\_02; import javax.swing.\*; public class question\_02 {  public static void main(String[] args) {  String Firstname=JOptionPane.showInputDialog("Enter your First Name");  String Lastname=JOptionPane.showInputDialog("Enter your Last Name");  String fullname=Firstname+" "+Lastname;  JFrame frame=new JFrame();  frame.setTitle(fullname);  frame.setSize(400,300);  frame.setVisible(true);  } }*** |

Output:

A screenshot of a computer

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AI-generated content may be incorrect.

Q3.

Code:

|  |
| --- |
| ***package Q\_03; import java.util.Scanner; public class question\_03 {  public static void main(String[] args) {  Scanner input = new Scanner(System.in);   System.out.print("Enter your first name: ");  String firstName = input.nextLine();   System.out.print("Enter your middle name: ");  String middleName = input.nextLine();   System.out.print("Enter your last name: ");  String lastName = input.nextLine();   String middleInitial = middleName.isEmpty() ? "" : middleName.substring(0, 1).toUpperCase() + ".";   System.out.println(firstName + " " + middleInitial + " " + lastName);   input.close();  } }*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q4.

Code:

|  |
| --- |
| ***package Q\_04; import java.time.LocalDate; import java.time.format.DateTimeFormatter; public class question\_04 {  public static void main(String[] args) {  LocalDate today = LocalDate.now();  DateTimeFormatter formatter = DateTimeFormatter.ofPattern("dd MMMM yyyy");  String formattedDate = today.format(formatter);  System.out.println(formattedDate);  } }*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q5.

Code:

|  |
| --- |
| ***package Q\_05; import java.time.LocalDate; import java.time.format.DateTimeFormatter; import java.util.Locale; public class question\_05 {  public static void main(String[] args) {  LocalDate today = LocalDate.now();  DateTimeFormatter formatter = DateTimeFormatter.ofPattern("EEEE, MMMM dd, yyyy", Locale.US);  String formattedDate = today.format(formatter);  System.out.println(formattedDate);  } }*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q6.

Code:

|  |
| --- |
| ***package Q\_06; import javax.swing.\*; public class question\_06 {  public static void main(String[] args) {  int Width = Integer.parseInt(JOptionPane.showInputDialog("Enter Width"));  int Height = Integer.parseInt(JOptionPane.showInputDialog("Enter Height"));  String Title = JOptionPane.showInputDialog("Enter a Title");   JFrame frame = new JFrame();  frame.setTitle(Title);  frame.setSize(Width, Height);  frame.setVisible(true);   } }*** |

Output:

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AI-generated content may be incorrect.

A screen shot of a computer

AI-generated content may be incorrect.

Q7.

Code:

|  |
| --- |
| ***package Q\_07; import javax.swing.\*; import java.time.LocalTime; import java.time.format.DateTimeFormatter; public class question\_07 {  public static void main(String[] args) {  LocalTime currentTime = LocalTime.now();  DateTimeFormatter formatter = DateTimeFormatter.ofPattern("hh:mm:ss a");  String formattedTime = currentTime.format(formatter).toLowerCase();  JFrame frame = new JFrame();  frame.setTitle(formattedTime);  frame.setSize(500,500);  frame.setVisible(true);  frame.setDefaultCloseOperation(WindowConstants.EXIT\_ON\_CLOSE);  } }*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q8.

Code:

|  |
| --- |
| ***package Q\_08; import java.util.Scanner; public class question\_08 {  public static void main(String[] args) {  Scanner scanner = new Scanner(System.in);  System.out.println("Enter a string that contains a single exclamation mark:");  String input = scanner.nextLine();   int exclamationIndex = input.indexOf('!');  if (exclamationIndex != -1) {  String beforeExclamation = input.substring(0, exclamationIndex).trim();  String afterExclamation = input.substring(exclamationIndex + 1).trim();  System.out.println(beforeExclamation);  System.out.println(afterExclamation);  } else {  System.out.println("The input string does not contain an exclamation mark.");  }  }  }*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q9.

Code:

|  |
| --- |
| ***package Q\_09; import java.util.Scanner; public class question\_09 {  public static void main(String[] args) {  Scanner scanner = new Scanner(System.in);  System.out.println("Enter a string:");  String input = scanner.nextLine();   int length = input.length();  char firstChar = input.charAt(0);  char lastChar = input.charAt(length - 1);   System.out.println(length);  System.out.println(firstChar);  System.out.println(lastChar);  } }*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q10.

Code:

|  |
| --- |
| ***package Q\_10; import java.util.Scanner; public class question\_10 {  public static void main(String[] args) {  Scanner scanner = new Scanner(System.in);  System.out.println("Enter an odd-length word:");  String input = scanner.nextLine();   if (input.length() % 2 == 1) {  int middleIndex = input.length() / 2;  char middleChar = input.charAt(middleIndex);  System.out.println(middleChar);  } else {  System.out.println("The input word does not have an odd length.");  }  } }*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q11.

Code:

|  |
| --- |
| ***package Q\_11; import java.util.Scanner; public class question\_11 {  public static void main(String[] args) {  Scanner scanner = new Scanner(System.in);  System.out.println("Enter your full name (first middle last):");  String input = scanner.nextLine();   String[] nameParts = input.split(" ");  if (nameParts.length == 3) {  String firstName = nameParts[0];  String middleName = nameParts[1];  String lastName = nameParts[2];  String middleInitial = middleName.substring(0, 1);   System.out.printf("%s, %s %s.%n", lastName, firstName, middleInitial);  } else {  System.out.println("Please enter your full name in the format first middle last.");  }  }  }*** |

Output:

A screenshot of a computer program

AI-generated content may be incorrect.

Q12.

Code:

|  |
| --- |
| ***package Q\_12; import javax.swing.\*; public class question\_12 {  public static void main(String[] args) {  JFrame frame = new JFrame();  frame.setTitle("My First Frame");  frame.setSize(300, 200);  frame.setLocation(100, 50);  frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  frame.setVisible(true);  } }*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.