Q1.

Code:

|  |
| --- |
| ***package Q1;  import javax.swing.\*; public class Q1CT62 {  public static void main(String[] args) {  JFrame frame = new JFrame();  frame.setSize(800,600);  frame.setTitle("Welcome to java");  frame.setVisible(true);  } }*** |

Output:

A screen shot of a computer program

AI-generated content may be incorrect.A screen shot of a computer

AI-generated content may be incorrect.

Q2.

Code:

|  |
| --- |
| ***package Q2; import javax.swing.\*; import java.util.Scanner;  public class Q2CT62 {  public static void main(String[] args) {   Scanner name = new Scanner(System.in);  System.out.println("Enter the first name: ");  String firstName = name.next();  System.out.println("Enter the first name: ");  String secondName = name.next();   //System.out.println(firstName+" "+secondName);   JFrame frame = new JFrame();  frame.setSize(800,600);  frame.setTitle(firstName+" "+secondName);  frame.setVisible(true);  } }*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q3.

Code:

|  |
| --- |
| ***package Q3;  import java.util.Scanner;  public class Q3CT62 {  public static void main(String[] args) {   Scanner name = new Scanner(System.in);  System.out.println("Enter the first name: ");  String firstName = name.next();  System.out.println("Enter the middle name: ");  String middleName = name.next();  System.out.println("Enter the Last name: ");  String lastName = name.next();   String initial = middleName.substring(0,1);   System.out.println(firstName+"."+initial+"."+lastName);   } }*** |

Output:

A black screen with a black border

AI-generated content may be incorrect.

Q4.

Code:

|  |
| --- |
| ***package Q4;  import java.text.SimpleDateFormat; import java.time.LocalDate; import java.util.Date; import java.util.logging.SimpleFormatter;  public class Q4CT62 {  public static void main(String[] args) {   /\*LocalDate today = LocalDate.now();  System.out.println(today);\*/   Date day = new Date();  System.out.println(day);   SimpleDateFormat sdf = new SimpleDateFormat("dd MMM yyyy");  System.out.println(sdf.format(day));    } }*** |

Output:

***A screen shot of a computer

AI-generated content may be incorrect.***

Q5.

Code:

|  |
| --- |
| ***package Q5;  import javax.swing.\*; import java.util.Scanner;  import java.text.SimpleDateFormat; import java.util.Date;  public class Q5CT62 {  public static void main(String[] args) {   Date day = new Date();  SimpleDateFormat sdf = new SimpleDateFormat("EEEE, MMMM dd, yyyy");  System.out.println(sdf.format(day));  } }*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q6.

Code:

|  |
| --- |
| ***package Q6;  import javax.swing.\*; import java.util.Scanner;  public class Q6CT62 {  public static void main(String[] args) {   JFrame frame = new JFrame();  Scanner scanner = new Scanner(System.in);   System.out.println("Enter the width :");  int W = scanner.nextInt();   System.out.println("Enter the height :");  int H = scanner.nextInt();   frame.setSize(W,H);  frame.setTitle("Window");  frame.setVisible(true);  } }*** |

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q7.

Code:

|  |
| --- |
| ***package Q7;  import javax.swing.\*; import java.text.SimpleDateFormat; import java.util.Date;  public class Q7CT62 {  public static void main(String[] args) {   JFrame frame = new JFrame();  Date date = new Date();  SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss a");   String title = sdf.format(date);   frame.setSize(250,150);  frame.setTitle(title);  frame.setVisible(true);    } }*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q8.

Code:

|  |
| --- |
| ***package Q8;  import java.util.Scanner;  public class Q8CT62 {  public static void main(String[] args) {  Scanner scanner = new Scanner(System.in);    System.out.println("Input a string that contains a single exclamation mark:");  String input = scanner.nextLine();   int index = input.indexOf('!');   if (index != -1) {  String part1 = input.substring(0, index).trim();  String part2 = input.substring(index + 1).trim();   System.out.println(part1);  System.out.println(part2);  } else {  System.out.println("The input does not have an exclamation mark.");  }  scanner.close();  } }*** |

Output:

A screen shot of a computer program

AI-generated content may be incorrect.

Q9.

Code:

|  |
| --- |
| ***package Q9;  import java.util.Scanner;  public class Q9CT62 {  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();   if (length > 0) {   char firstChar = input.charAt(0);  char lastChar = input.charAt(length - 1);   System.out.println(length);  System.out.println(firstChar);  System.out.println(lastChar);  } else {  System.out.println("The string is empty.");  }   scanner.close();  } }*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q10.

Code:

|  |
| --- |
| ***package Q10;  import java.util.Scanner;  public class Q10CT62 {  public static void main(String[] args) {  Scanner scanner = new Scanner(System.in);   System.out.println("Enter an odd-length word:");  String input = scanner.nextLine();   int length = input.length();   if (length % 2 != 0) {  int middleIndex = length / 2;  char middleChar = input.charAt(middleIndex);   System.out.println(middleChar);  } else {  System.out.println("The input word does not have an odd length.");  }   scanner.close();  } }*** |

Output:

A screenshot of a computer program

AI-generated content may be incorrect.

Q11.

Code:

|  |
| --- |
| ***package Q11;  import java.util.Scanner;  public class Q11CT62 {  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().trim();   String[] nameParts = input.split(" ");   if (nameParts.length == 3) {  String firstName = nameParts[0];  String middleName = nameParts[1];  String lastName = nameParts[2];   System.out.println(lastName + ", " + firstName + " " + middleName.charAt(0) + ".");  } else {  System.out.println("Name format is wrong. Please enter in 'First Middle Last' format.");  }   scanner.close();  } }*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q12.

Code:

|  |
| --- |
| ***package Q12;  import javax.swing.JFrame;  public class Q12CT62 {  public static void main(String[] args) {   JFrame frame = new JFrame("My First Frame");  frame.setSize(300, 200);  frame.setLocation(50, 50);  frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  frame.setVisible(true);  } }*** |

Output:

A screen shot of a computer

AI-generated content may be incorrect.