Q1.

Code:

package Q\_01;  
import javax.swing.JFrame;  
public class framewindow {  
 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.JFrame;  
import java.util.Scanner;  
  
public class fullname {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.*in*);  
  
 System.*out*.print("Enter your first name: ");  
 String firstName = scanner.nextLine();  
  
 System.*out*.print("Enter your last name: ");  
 String lastName = scanner.nextLine();  
  
 String fullName = firstName + " " + lastName;  
  
 JFrame frame = new JFrame(fullName);  
 frame.setSize(400, 200);  
 frame.setDefaultCloseOperation(JFrame.*EXIT\_ON\_CLOSE*);  
 frame.setVisible(true);  
  
 scanner.close();  
 }  
  
}

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q3.

Code:

package Q\_03;  
  
import javax.swing.\*;  
import java.util.Scanner;  
  
public class firstmiddlelastname {  
 public static void main(String[] args) {  
  
 Scanner scanner = new Scanner(System.*in*);  
 System.*out*.print("Enter your first name: ");  
 String firstName = scanner.nextLine();  
  
 System.*out*.print("Enter your middle name: ");  
 String middlename = scanner.nextLine();  
  
 System.*out*.print("Enter your last name: ");  
 String lastname = scanner.nextLine();  
  
 String formattedname= firstName +" "+ middlename.charAt(0) +". "+lastname;  
  
 JFrame frame = new JFrame(formattedname);  
 frame.setSize(400, 400);  
 frame.setDefaultCloseOperation(JFrame.*EXIT\_ON\_CLOSE*);  
 frame.setVisible(true);  
  
 scanner.close();  
 }  
}

Output:

A screen shot 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 date1 {  
 public static void main(String[] args) {  
 LocalDate today = LocalDate.*now*();  
  
 DateTimeFormatter format = DateTimeFormatter.*ofPattern*("d MMM yyyy");  
 String formattedDate = today.format(format);  
  
 System.*out*.println("Today's date: "+ formattedDate);  
 }  
}

Output:

A black screen with a black border

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 date2 {  
 public static void main(String[] args) {  
  
 LocalDate today = LocalDate.*now*();  
  
 DateTimeFormatter format = DateTimeFormatter.*ofPattern*("EEEE, MMMM d, yyyy");  
 String formattedDate = today.format(format);  
  
 System.*out*.println("Today's date: "+ formattedDate);  
 }  
}

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q6.

Code:

Output:

package Q\_06;  
  
import javax.swing.\*;  
import java.util.Scanner;  
  
public class userframewindow {  
 public static void main(String[] args) {  
  
 Scanner scanner= new Scanner(System.*in*);  
  
  
 System.*out*.print("Enter the width of the frame: ");  
 int width = scanner.nextInt();  
  
 System.*out*.print("Enter the height of the frame: ");  
 int height = scanner.nextInt();  
  
 scanner.nextLine();  
  
 System.*out*.print("Enter the title of the frame: ");  
 String title = scanner.nextLine();  
  
 JFrame frame = new JFrame(title);  
 frame.setSize(width, height );  
 frame.setDefaultCloseOperation(JFrame.*EXIT\_ON\_CLOSE*);  
 frame.setVisible(true);  
  
 scanner.close();  
 }  
}

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 userdate {  
 public static void main(String[] args) {  
  
 LocalTime currentTime = LocalTime.*now*();  
  
 DateTimeFormatter formatter = DateTimeFormatter.*ofPattern*("hh:mm:ss a");  
  
 String formattedTime = currentTime.format(formatter);  
  
 JFrame frame = new JFrame(formattedTime);  
 frame.setSize(400, 200);  
 frame.setDefaultCloseOperation(JFrame.*EXIT\_ON\_CLOSE*);  
 frame.setVisible(true);  
 }  
}

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q8.

Code:

package Q\_08;  
  
import java.util.Scanner;  
  
public class exclamationmark {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.*in*);  
  
 // Get the input string  
 System.*out*.print("Enter a string with a single exclamation mark: ");  
 String input = scanner.nextLine();  
  
 int exclamationIndex = input.indexOf('!');  
  
 if (exclamationIndex != -1) {  
 String before = input.substring(0, exclamationIndex).trim();  
 String after = input.substring(exclamationIndex + 1).trim();  
  
 System.*out*.println(before);  
 System.*out*.println(after);  
 } else {  
 System.*out*.println("No exclamation mark found in the string.");  
 }  
  
 scanner.close();  
 }  
  
}

Output:

A screenshot of a computer program

AI-generated content may be incorrect.

Q9.

Code:

package Q\_09;  
  
import java.util.Scanner;  
  
public class sumofchar {  
 public static void main(String[] args) {  
  
 Scanner scanner=new Scanner(System.*in*);  
  
 System.*out*.print("Enter a sentence :");  
 String sentence=scanner.nextLine();  
  
 int length= sentence.length();  
  
 char firstchar=sentence.charAt(0);  
 char lastchar=sentence.charAt(length -1);  
  
 System.*out*.println(length);  
 System.*out*.println(firstchar);  
 System.*out*.println(lastchar);  
  
 scanner.close();  
 }  
}

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q10.

Code:

package Q\_10;  
  
import java.util.Scanner;  
  
public class middlecharater {  
 public static void main(String[] args) {  
  
 Scanner scanner = new Scanner(System.*in*);  
  
 System.*out*.print("Enter the odd-length word: ");  
 String word = scanner.nextLine();  
  
  
 if (word.length() % 2 == 0) {  
 System.*out*.print("word is not an odd-length");  
 return;  
 }  
  
 int middleindex = word.length() / 2;  
 char middlechar = word.charAt(middleindex);  
  
 System.*out*.println(middlechar);  
  
 scanner.close();  
 }  
}

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q11.

Code:

package Q\_11;  
  
import java.util.Scanner;  
  
public class firstmiddlelast {  
 public static void main(String[] args) {  
  
 Scanner scan = new Scanner(System.*in*);  
   
 System.*out*.print("Enter the first name :");  
 String firstname = scan.nextLine();  
  
 System.*out*.print("Enter the middle name :");  
 String middlename = scan.nextLine();  
  
 System.*out*.print("Enter the last name :");  
 String lastname = scan.nextLine();  
  
 System.*out*.print(lastname+", "+firstname+" "+middlename.charAt(0)+".");  
 }  
}

Output:

A computer screen shot of a black screen

AI-generated content may be incorrect.

Q12.

Code:

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

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q13.

Code:

package Q\_13;  
  
import javax.swing.\*;  
class SampleWindow {  
 public static void main(String[] args) {  
 JFrame myWindow;  
 myWindow = new JFrame();  
 myWindow.setSize(500, 250);  
 myWindow.setTitle("UOK");  
 myWindow.setVisible(true);  
 try {Thread.*sleep*(500);} catch(Exception e) { }  
 myWindow.setVisible(false);  
 try {Thread.*sleep*(500);} catch(Exception e) { }  
 myWindow.setVisible(true);  
   
 }  
}

Output:

A screenshot of a computer

AI-generated content may be incorrect.