Q1.

Code:

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

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q2.

Code:

package Q2;  
import javax.swing.\*;  
import java.util.Scanner;  
  
public class Q2 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.*in*);  
 System.*out*.println("Enter first name: ");  
 String firstName = scanner.next();  
 System.*out*.println("Enter last name: ");  
 String lastName = scanner.next();  
  
 JFrame frame = new JFrame();  
 frame.setSize(250, 150);  
 frame.setTitle(firstName+" "+lastName);  
 frame.setVisible(true);  
  
 }  
}

Output:

A screen shot of a computer program

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

Q3.

Code:

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

Output:

A screen shot of a computer program

AI-generated content may be incorrect.

Q4.

Code:

package Q4;  
import java.text.SimpleDateFormat;  
import java.util.Date;  
  
public class Q4 {  
 public static void main(String[] args) {  
 SimpleDateFormat dateFormat = new SimpleDateFormat("dd MMMM yyyy");  
 Date today = new Date();  
 System.*out*.println(dateFormat.format(today));  
 }  
}

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q5.

Code:

package Q5;  
import java.text.SimpleDateFormat;  
import java.util.Date;  
  
public class Q5 {  
 public static void main(String[] args) {  
 SimpleDateFormat dateFormat = new SimpleDateFormat("EEEE, MMMM dd, yyyy");  
 Date today = new Date();  
 System.*out*.println(dateFormat.format(today));  
 }  
}

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q6.

Code:

package Q6;  
import javax.swing.\*;  
import java.util.Scanner;  
  
public class Q6 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.*in*);  
  
 System.*out*.println("Enter the width of the window: ");  
 int width = scanner.nextInt();  
  
 System.*out*.println("Enter the height of the window: ");  
 int height = scanner.nextInt();  
  
 scanner.nextLine();  
 System.*out*.println("Enter the Title of the window: ");  
 String title = scanner.nextLine();  
  
 JFrame frame = new JFrame(title);  
 frame.setSize(width, height);  
 frame.setVisible(true);  
 frame.setDefaultCloseOperation(JFrame.*EXIT\_ON\_CLOSE*);  
 }  
}

Output:

A computer screen shot of a program

AI-generated content may be incorrect.

A screenshot 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 Q7 {  
 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(600, 300);  
 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 Q8 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.*in*);  
  
 System.*out*.println("Enter a String with an Exclamation(!) mark: ");  
 String input = scanner.nextLine();  
  
 String[] parts = input.split("!");  
  
 System.*out*.println(parts[0].trim());  
 System.*out*.println(parts[1].trim());  
 }  
}

Output:

A computer screen shot of a program

AI-generated content may be incorrect.

Q9.

Code:

package Q9;  
import java.util.Scanner;  
  
public class Q9 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner (System.*in*);  
  
 System.*out*.print("Enter a string: ");  
 String input = scanner.nextLine();  
  
 System.*out*.println(input.length());  
 System.*out*.println(input.charAt(0));  
 System.*out*.println(input.charAt(input.length()-1));  
  
 }  
}

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q10.

Code:

package Q10;  
import java.util.Scanner;  
  
public class Q10 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.*in*);  
  
 System.*out*.println("Enter an odd-length word: ");  
 String word = scanner.nextLine();  
  
 int middleIndex = word.length()/2;  
 System.*out*.println(word.charAt(middleIndex));  
 }  
}

Output:

A screen shot of a computer program

AI-generated content may be incorrect.

Q11.

Code:

package Q11;  
import java.util.Scanner;  
  
public class Q11 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.*in*);  
  
 System.*out*.println("Enter first name: ");  
 String firstName = scanner.next();  
  
 System.*out*.println("Enter middle name: ");  
 String middleName = scanner.next();  
  
 System.*out*.println("Enter last name: ");  
 String lastName = scanner.next();  
  
 String formattedName = lastName+","+firstName+" "+middleName.charAt(0)+".";  
 System.*out*.println(formattedName);  
 }  
}

Output:

A screen shot of a computer program

AI-generated content may be incorrect.

Q12.

Code:

package Q12;  
import javax.swing.\*;  
  
public class Q12 {  
 public static void main(String[] args) {  
 JFrame frame = new JFrame("My First Frame");  
 frame.setSize(300,200); frame.setVisible(true);  
 frame.setLocation(100,50);  
 }  
}

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q13.

Code:

package Q13;  
import javax.swing.\*;  
  
public class Q13 {  
 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.