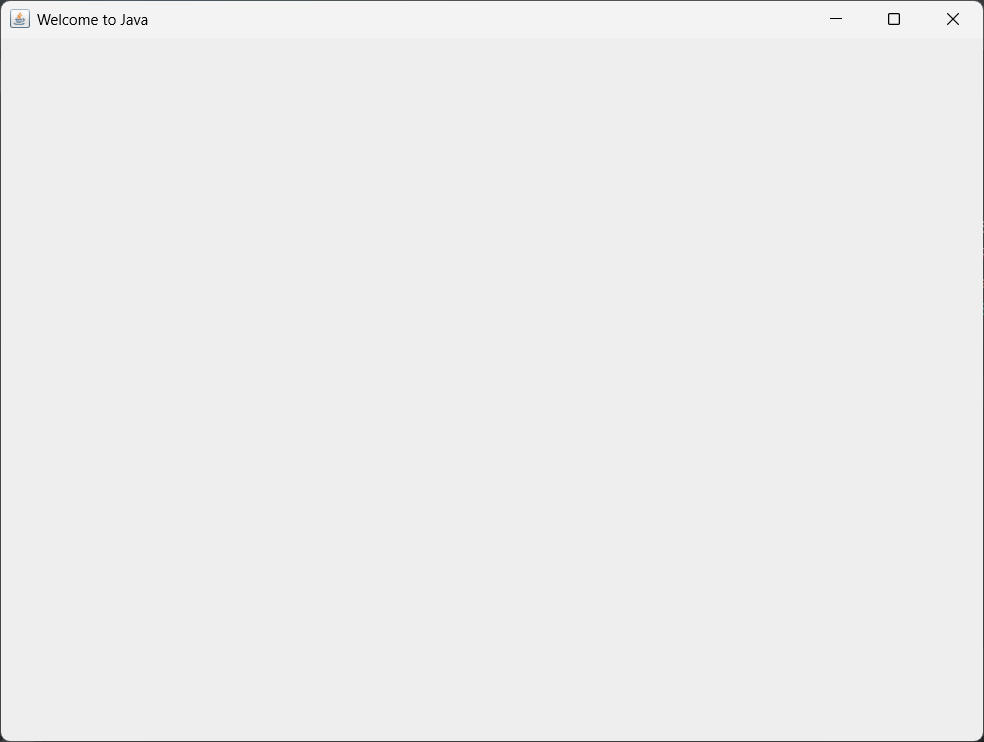
Q1.

Code:

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

Output:



Q2.

Code:

***package Q\_02;  
  
import javax.swing.\*;  
import java.util.\*;  
  
public class Q\_02 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.in);  
 String fname; // Variable to store first name  
 String lname; // Variable to store last name  
 System.out.print("Enter your first name: ");  
 fname = scanner.nextLine();  
 System.out.print("Enter your last name: ");  
 lname = scanner.nextLine();  
 JFrame frame = new JFrame();  
 frame.setSize(300,200);  
 frame.setVisible(true);  
 frame.setTitle(fname+" "+lname);  
 }  
}***

Output:

A black background with white text

AI-generated content may be incorrect.

A screenshot of a computer

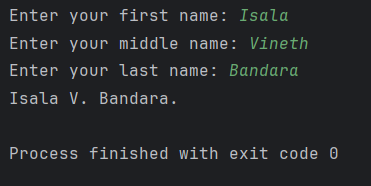
AI-generated content may be incorrect.

Q3.

Code:

***package Q\_03;  
  
import java.util.\*;  
  
public class Q\_03 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.in);  
 String fname; // Variable to store first name  
 String mname; // Variable to store middle name  
 String lname; // Variable to store last name  
 System.out.print("Enter your first name: ");  
 fname = scanner.nextLine();  
 System.out.print("Enter your middle name: ");  
 mname = scanner.nextLine();  
 System.out.print("Enter your last name: ");  
 lname = scanner.nextLine();  
 System.out.println(fname+" "+mname.charAt(0)+". "+lname+".");  
 }  
}***

Output:



Q4.

Code:

***package Q\_04;  
  
import java.text.SimpleDateFormat;  
import java.util.\*;  
  
public class Q\_04 {  
 public static void main(String[] args) {  
 Date date = new Date();  
 SimpleDateFormat sdf = new SimpleDateFormat("dd MMM yyyy");  
 System.out.println(sdf.format(date));  
 }  
}***

Output:

A black background with white text

AI-generated content may be incorrect.

Q5.

Code:

***package Q\_05;  
  
import java.text.SimpleDateFormat;  
import java.util.\*;  
  
public class Q\_05 {  
 public static void main(String[] args) {  
 Date date = new Date();  
 SimpleDateFormat sdf = new SimpleDateFormat("EEEE, MMM dd, yyyy");  
 System.out.println(sdf.format(date));  
 }  
}***

Output:

A black background with white text

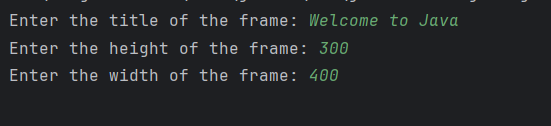
AI-generated content may be incorrect.

Q6.

Code:

***package Q\_06;  
  
import javax.swing.\*;  
import java.util.\*;  
  
public class Q\_06 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.in);  
 Integer H; // Variable to store height  
 Integer W; //  
 String title; //Variable to store title  
 System.out.print("Enter the title of the frame: ");  
 title = scanner.nextLine();  
 System.out.print("Enter the height of the frame: ");  
 H = scanner.nextInt();  
 System.out.print("Enter the width of the frame: ");  
 W = scanner.nextInt();  
  
 JFrame frame = new JFrame(title);  
 frame.setSize(W,H);  
 frame.setVisible(true);  
  
  
 }  
}***

Output:



A screenshot of a computer

AI-generated content may be incorrect.

Q7.

Code:

***package Q\_07;  
  
import javax.swing.\*;  
import java.text.SimpleDateFormat;  
import java.util.Date;  
  
public class Q\_07 {  
 public static void main(String[] args) {  
 Date date = new Date();  
 SimpleDateFormat sdf = new SimpleDateFormat("hh:mm:ss a");  
 JFrame frame = new JFrame(sdf.format(date));  
 frame.setVisible(true);  
 frame.setSize(400,300);  
 }  
}***

Output:

A screenshot of a computer

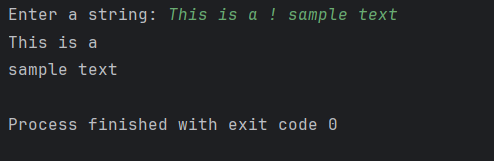
AI-generated content may be incorrect.

Q8.

Code:

***package Q\_08;  
  
import java.util.\*;  
  
public class Q\_08 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.in);  
 String text; //text is the input string  
 Integer exclam; //exclam is the index of the exclamation mark  
 String firsttext; //firsttext is the string before the exclamation mark  
 String secondtext; //secondtext is the string after the exclamation mark  
 System.out.print("Enter a string: ");  
 text = scanner.nextLine();  
 exclam = text.indexOf("!");  
 firsttext = text.substring(0,exclam);  
 secondtext = text.substring(exclam+2); // +2 to skip the space after the exclamation mark  
 System.out.println(firsttext+"\n"+secondtext);  
 }  
}***

Output:



Q9.

Code:

***package Q\_09;  
  
import java.util.\*;  
  
public class Q\_09 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.in);  
 String text; //text is the input string  
 System.out.print("Enter a string: ");  
 text = scanner.nextLine();  
 System.out.print(text.length()+"\n"+text.charAt(0)+"\n"+text.charAt(text.length()-1));  
 }  
}***

Output:

A black screen with white text

AI-generated content may be incorrect.

Q10.

Code:

***package Q\_10;  
  
import java.util.\*;  
  
public class Q\_10 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.in);  
 String text; //text is the input string  
 System.out.print("Enter a string: ");  
 text = scanner.nextLine();  
 if (text.length() % 2 == 0) {  
 System.out.print("Entered string has even length."); //Prints this if the length of the string is even  
 } else {  
 System.out.print(text.charAt(text.length() / 2)); //Prints the middle character if the length of the string is odd  
 }  
 }  
}***

Output:

A black background with white text

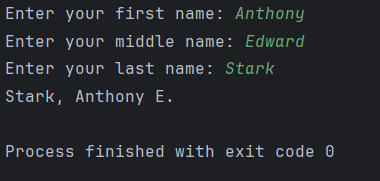
AI-generated content may be incorrect.

Q11.

Code:

***package Q\_11;  
  
import java.util.\*;  
  
public class Q\_11 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.in);  
 String fname; // Variable to store first name  
 String mname; // Variable to store middle name  
 String lname; // Variable to store last name  
 System.out.print("Enter your first name: ");  
 fname = scanner.nextLine();  
 System.out.print("Enter your middle name: ");  
 mname = scanner.nextLine();  
 System.out.print("Enter your last name: ");  
 lname = scanner.nextLine();  
 System.out.println(lname+", "+fname+" "+mname.charAt(0)+".");  
 }  
}***

Output:



Q12.

Code:

***package Q\_12;  
  
import javax.swing.\*;  
  
public class Q\_12 {  
 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.