Q1.

Code:

|  |
| --- |
| ***package Q\_01;***  ***import javax.swing.\*;1***  ***public class Q\_01 {***  ***public static void main(String[] args) {***    ***// Creating a JFrame object***  ***JFrame frame = new JFrame("Q1");***    ***// Setting the window size, title and visible***  ***frame.setSize(800,600);***  ***frame.setTitle("Welcome to java");***  ***frame.setVisible(true);***  ***frame.setDefaultCloseOperation(JFrame.HIDE\_ON\_CLOSE);***  ***}***  ***}*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q2.

Code:

|  |
| --- |
| ***package Q\_02;***  ***import javax.swing.\*;***  ***import java.util.Scanner;***  ***public class Q\_02 {***  ***public static void main(String[] args) {***    ***// Creating a Scanner object***  ***Scanner scanner= new Scanner(System.in);***    ***// user to enter their first name***  ***System.out.println("Enter first name: ");***  ***String firstname = scanner.next();***    ***// user to enter their last name***  ***System.out.println("Enter last name: ");***  ***String lastname = scanner.next();***    ***// Creating a JFrame object***  ***JFrame frame = new JFrame();***    ***// Setting the window size, title and visible***  ***frame.setSize(800,600);***  ***frame.setTitle(firstname+" "+lastname);***  ***frame.setVisible(true);***  ***}***  ***}}*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.

Q3.

Code:

|  |
| --- |
| ***package Q\_03;***  ***import java.util.Scanner;***  ***public class Q\_03 {***  ***public static void main(String[] args) {***  ***// Creating a Scanner object***  ***Scanner scanner= new Scanner(System.in);***  ***// user to enter their first name***  ***System.out.println("Enter fname: ");***  ***String fname = scanner.next();***  ***// user to enter their middle name***  ***System.out.println("Enter midname: ");***  ***String midname = scanner.next();***  ***// user to enter their last name***  ***System.out.println("Enter lname: ");***  ***String lname = scanner.next();***  ***// Extracting the first letter of the middle name***  ***String ini = midname.substring(0,1);***  ***// Displaying the formatted name***  ***System.out.println(fname+" "+ini+". "+lname);***  ***}***  ***}*** |

Output:

A screen shot of a computer program

AI-generated content may be incorrect.

Q4.

Code:

|  |
| --- |
| ***package Q\_04;***  ***import java.text.SimpleDateFormat;***  ***import java.util.Date;***  ***public class Q\_04 {***  ***public static void main(String[] args) {***  ***// Creating a Date object***  ***Date today= new Date();***  ***// Creating a SimpleDateFormat object***  ***SimpleDateFormat sdf =new SimpleDateFormat("dd MMM yyyy");***  ***// Formatting and printing***  ***System.out.println(sdf.format(today));***  ***}***  ***}*** |

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q5.

Code:

|  |
| --- |
| ***package Q\_05;***  ***import java.text.SimpleDateFormat;***  ***import java.util.Date;***  ***public class Q\_05 {***  ***public static void main(String[] args) {***  ***// Creating a Date object***  ***Date today= new Date();***  ***// Creating a SimpleDateFormat object***  ***SimpleDateFormat sdf =new SimpleDateFormat("EEEE,MMM dd,yyyy");***  ***// Formatting and printing***  ***System.out.println(sdf.format(today));***  ***}***  ***}*** |

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q6.

Code:

|  |
| --- |
| ***package Q\_06;***  ***import javax.swing.\*;***  ***import java.util.Scanner;***  ***public class Q\_06 {***  ***public static void main(String[] args) {***  ***// Creating a Scanner object***  ***Scanner scanner= new Scanner(System.in);***  ***// user to enter the title***  ***System.out.println("enter title");***  ***String tit= scanner.nextLine();***  ***// user to enter the width***  ***System.out.println("enter wide in px: ");***  ***int w= scanner.nextInt();***  ***// user to enter the height***  ***System.out.println("enter height in px1: ");***  ***int h= scanner.nextInt();***  ***// Creating a JFrame object***  ***JFrame frame = new JFrame();***  ***// Setting the window size, title and visible***  ***frame.setSize(w,h);***  ***frame.setTitle(tit);***  ***frame.setVisible(true);***  ***}***  ***}*** |

A screenshot of a computer

AI-generated content may be incorrect.Output:

A screen shot of a computer program

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) {***  ***// Creating a Date object***  ***Date today= new Date();***  ***// Creating a SimpleDateFormat object***  ***SimpleDateFormat sdf =new SimpleDateFormat("hh:mm:ss a");***  ***// Creating a JFrame object***  ***JFrame frame = new JFrame();***  ***// Setting the window size, title and visible***  ***frame.setSize(400,200);***  ***frame.setTitle(sdf.format(today));***  ***frame.setVisible(true);***  ***frame.setDefaultCloseOperation(JFrame.HIDE\_ON\_CLOSE);***  ***}***  ***}*** |

Output:

A white screen with a black border

AI-generated content may be incorrect.

Q8.

Code:

|  |
| --- |
| ***package Q\_08;***  ***import java.util.Scanner;***  ***public class Q\_08 {***  ***public static void main(String[] args) {***  ***// Creating a Scanner object***  ***Scanner scanner= new Scanner(System.in);***  ***// user to enter a sentence with a single '!' mark***  ***System.out.println("Enter sentence with single ' ! ' mark where divide :");***  ***String str= scanner.nextLine();***  ***// Finding the index of the '!' character***  ***int index = str.indexOf('!');***  ***// Printing the substring before '!'***  ***System.out.println(str.substring(0, index));***  ***// Printing the substring after '!'***  ***System.out.println(str.substring(index+2));***  ***}***  ***}*** |

Output:

A screenshot of a computer program

AI-generated content may be incorrect.

Q9.

Code:

|  |
| --- |
| ***package Q\_09;***  ***import java.util.Scanner;***  ***public class Q\_09 {***  ***public static void main(String[] args) {***  ***// Creating a Scanner object***  ***Scanner scanner=new Scanner(System.in);***  ***// user to enter a string***  ***System.out.println("enter the string :");***  ***String str= scanner.nextLine();***  ***// Getting the length of the string***  ***int len = str.length();***  ***// Printing the length of the string, first character ans last character***  ***System.out.println(len);***  ***System.out.println(str.charAt(0));***  ***System.out.println(str.charAt(len-1));***  ***}***  ***}*** |

Output:

A screen shot of a computer program

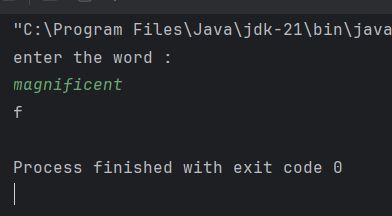
AI-generated content may be incorrect.

Q10.

Code:

|  |
| --- |
| ***package Q\_10;***  ***import java.util.Scanner;***  ***public class Q\_10 {***  ***public static void main(String[] args) {***  ***// Creating a Scanner object***  ***Scanner scanner=new Scanner(System.in);***  ***// user to enter a word***  ***System.out.println("enter the word :");***  ***String str= scanner.nextLine();***  ***// Getting the length of the word***  ***int len= str.length();***  ***// Checking if the length is odd***  ***if ((len%2)==1)***  ***System.out.println(str.charAt(len/2));***  ***// Printing a message if the word has an even number of characters***  ***else***  ***System.out.println("enteren word is even count");***  ***}***  ***}*** |

Output:



Q11.

Code:

|  |
| --- |
| ***package Q\_11;***  ***import java.util.Scanner;***  ***public class Q\_11 {***  ***public static void main(String[] args) {***  ***// Creating a Scanner object***  ***Scanner scanner= new Scanner(System.in);***  ***// user to enter their full name***  ***System.out.println("enter your full name in order 'first middle last' :");***  ***String name= scanner.nextLine();***  ***// Splitting the name***  ***String[] array= name.split(" ");***  ***// Printing the formatted name***  ***System.out.print(array[2]+", "+array[0]+" "+array[1].charAt(0)+".");***  ***}***  ***}*** |

Output:

A screenshot of a computer program

AI-generated content may be incorrect.

Q12.

Code:

|  |
| --- |
| ***package Q\_12;***  ***import javax.swing.\*;***  ***public class Q\_12 {***  ***public static void main(String[] args) {***  ***// Creating a JFrame object***  ***JFrame frame= new JFrame();***  ***// Setting the window size, title and visible***  ***frame.setSize(300,200);***  ***frame.setTitle("My First Frame");***  ***frame.setVisible(true);***  ***// Setting the window's position on the screen***  ***frame.setLocation(100,50);***  ***}***  ***}*** |

Output:

A screenshot of a computer

AI-generated content may be incorrect.