CT/2021/059

Introduction to Program Components

Q1.

Code:

|  |
| --- |
| ***package Q\_01;  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 screen shot of a computer

AI-generated content may be incorrect.

Q2.

Code:

|  |
| --- |
| ***package Q\_02; import javax.swing.\*; import java.util.Scanner;  public class Q2 {  public static void main(String[] args)  {  Scanner sc=new Scanner(System.in);  System.out.println("Enter first name:");  String first=sc.nextLine();  System.out.println("Enter last name:");  String last=sc.nextLine();  //System.out.println(first+" "+last);   JFrame frame=new JFrame();  frame.setSize(800,600);  frame.setTitle(first+""+last);  frame.setVisible(true);  } }*** |

***A screenshot of a computer

AI-generated content may be incorrect.***Output:

Q3.

Code:

|  |
| --- |
| ***package Q\_03;  import java.util.Scanner;  public class Q3 {  public static void main(String[] args)  {  Scanner sc=new Scanner(System.in);  System.out.println("Enter first name");  String firstname=sc.nextLine();  System.out.println("Enter middle name");  String middlename=sc.nextLine();  System.out.println("Enter last name");  String lastname=sc.nextLine();   String initial= middlename.substring(0,1);  System.out.println(firstname+ " " +initial+ "." +lastname);  } }*** |

Output:***A screen shot of a computer

AI-generated content may be incorrect.***

Q4.

Code:

|  |
| --- |
| ***package Q\_04;  import java.text.SimpleDateFormat; import java.util.Date;  public class Q4 {  public static void main(String[] args)  {  Date today = new Date();  System.out.println(today);   SimpleDateFormat sdf = new SimpleDateFormat("dd MMMM yyyy");  System.out.println(sdf.format(today));  } }*** |

***A screen shot of a computer program

AI-generated content may be incorrect.***Output:

Q5.

Code:

|  |
| --- |
| ***package Q\_05;  import java.text.SimpleDateFormat; import java.util.Date;  public class Q5 {  public static void main(String[] args)  {  Date today = new Date();  System.out.println(today);   SimpleDateFormat sdf = new SimpleDateFormat("EEEE , MMMM MM, yyyy"); System.out.println(sdf.format(today));  }  }*** |

A screen shot of a computer

AI-generated content may be incorrect.Output:

Q6.

Code:

|  |
| --- |
| ***package Q\_06;  import javax.swing.\*; import java.util.Scanner;  public class Q6 {  public static void main(String[] args)  {  JFrame frame=new JFrame();  Scanner sc=new Scanner(System.in);  System.out.println("Enter Frame Title:");  String Title=sc.nextLine();   System.out.println("Enter Frame Width:");  int Width = sc.nextInt();   System.out.println("Enter Frame Height:");  int Height=sc.nextInt();  frame.setTitle(Title);  frame.setSize(Width,Height);  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 Q7 {  public static void main(String[] args)  {  JFrame frame=new JFrame();  frame.setSize(400,400);  frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  new Timer(1000, e -> frame.setTitle(new SimpleDateFormat(  "hh:mm:ss a").format(new Date()))).start();  frame.setVisible(true);   } }*** |

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q8.

Code:

|  |
| --- |
| ***package Q\_08;  import java.util.Scanner;  public class Q8 {  public static void main(String[] args)  {  Scanner scanner = new Scanner(System.in);  String input = scanner.nextLine();   String [] parts = input.split("!");  System.out.println(parts[0].trim());  System.out.println(parts[1].trim());  }  }*** |

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q9.

Code:

|  |
| --- |
| ***package Q\_09;  import java.util.Scanner;  public class Q9 {  public static void main(String[] args)  {  Scanner scanner=new Scanner(System.in);  String input=scanner.nextLine();   System.out.println(input.length());  System.out.println(input.charAt(0));  System.out.println(input.charAt(input.length()-1));;  }  }*** |

A screen shot of a computer

AI-generated content may be incorrect.Output:

Q10.

Code:

|  |
| --- |
| ***package Q\_10;  import java.util.Scanner;  public class Q10 {  public static void main(String[] args)  {  Scanner scanner = new Scanner(System.in);  String input = scanner.nextLine();   System.out.println(input.charAt(input.length()/2));  } }*** |

A screenshot of a computer program

AI-generated content may be incorrect.Output:

Q11.

Code:

|  |
| --- |
| ***package Q\_11;  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.nextLine();   System.out.println("Enter Middle Name:");  String middlename = scanner.nextLine();   System.out.println("Enter Last Name:");  String lastname = scanner.nextLine();   String initial = middlename.substring(0,1);  System.out.println(lastname+", " +firstname+" "+initial+".");  }  }*** |

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Q12.

Code:

|  |
| --- |
| ***package Q\_12;  import javax.swing.\*;  public class Q12 {  public static void main(String[] args)  {  JFrame frame = new JFrame("My First Frame");  frame.setSize(300,200);  frame.setLocation( 300, 500 );  frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  frame.setVisible(true);  } }*** |

Output:***A screenshot of a computer

AI-generated content may be incorrect.***

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