Q1/Q2.

Code:

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| **package Q1\_Q2;   import java.util.Scanner;  class Temperature {  private double celsius;   public Temperature()  {   }   public Temperature(double celsius)  {  this.celsius = celsius;  }   public void setFahrenheit(double fahrenheit)  {  this.celsius = (fahrenheit - 32) \* 5 / 9;  }   public void setCelsius(double celsius)  {  this.celsius = celsius;  }   public double toCelsius()  {  return celsius;  }   public double toFahrenheit()  {  return celsius \* 9 / 5 + 32;  } }  public class Q1\_Main {   public static void main(String[] args) {  Temperature temp = new Temperature();  Scanner sc = new Scanner(System.*in*);  System.*out*.println("Enter the temperature in Fahrenheit: ");  temp.setFahrenheit(sc.nextDouble());  System.*out*.println("Temperature in Celsius: " + temp.toCelsius());  } }** |

Output: A computer screen with white text

AI-generated content may be incorrect.

Q3.

Code:

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| **package Q3;  class Circle {  double radiusInside;  double radiusOutside;   public Circle(double ri,double ro)  {  this.radiusInside = ri;  this.radiusOutside = ro;  }   public double computeArea()  {  return (Math.*PI* \* Math.*pow*(radiusOutside,2)) - (Math.*PI* \* Math.*pow*(radiusInside,2));  }   double computeCircumference(double radius)  {  return 2 \* Math.*PI* \* radius;  } }  public class Q3\_Main {  public static void main(String[] args) {  Circle circle = new Circle(10,20);  double area = circle.computeArea();  System.*out*.println(area);  } }** |

Q4.

Code:

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| **package Q4;  class Owner {  private String ownerName;  private String phoneNo;   public Owner(String OwnerName, String PhoneNo)  {  this.ownerName = OwnerName;  this.phoneNo = PhoneNo;  }   public void setOwnerName(String OwnerName)  {  this.ownerName = OwnerName;  }   public String getOwnerName()  {  return this.ownerName;  }   public String getPhoneNo()  {  return this.phoneNo;  }   public void setPhoneNo(String PhoneNo)  {  this.phoneNo = PhoneNo;  } }  class Bicycle {  // Data Member  private Owner owner;  //Constructor: Initializes the data member  public Bicycle() {  owner.setOwnerName("Unknown");  }  public Bicycle(String name,String num) {  owner.setOwnerName(name);  owner.setPhoneNo(num);  }  //Returns the name of this bicycle's owner  public String getOwnerName() {  return owner.getOwnerName();  }  //Assigns the name of this bicycle's owner  public void setOwnerName(String name) {  owner.setOwnerName(name);  }  public String getPhoneNo() {  return owner.getPhoneNo();  }  //Assigns the name of this bicycle's owner  public void setPhoneNo(String num) {  owner.setPhoneNo(num);  } }  public class Q4\_Main {  public static void main(String[] args) {  } }** |

Output:

Q5.

Code:

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| **package Q5;  class Course{  private String courseName;  private String courseCode;  private Lecturer lecturer;   public void setCourseName(String courseName){this.courseName = courseName;}  public void setCourseCode(String courseCode) {this.courseCode = courseCode;}   public String getCourseName(){ return this.courseName;}  public String getCourseCode(){return this.courseCode;}   public void setLecturer(Lecturer lecturer){this.lecturer = lecturer;}  public Lecturer getLecturer() {return this.lecturer;} }  class Lecturer{  private String lectureName;  private String courseTeaching;   public void setLectureName(String lectureName){this.lectureName = lectureName;}  public void setCourseTeaching(String courseTeaching) {this.courseTeaching = courseTeaching;}  public String getLectureName(){ return this.lectureName;}  public String getCourseTeaching(){return this.courseTeaching;} }  class Student{  private String studentName;  private String degreeName;  private String courseFollowing;   public void setStudentName(String studentName){this.studentName = studentName;}  public String getStudentName(){ return this.studentName;}   public void setDegreeName(String degreeName){this.degreeName = degreeName;}  public String getDegreeName(){ return this.degreeName;}   public void setCourseFollowing(String courseFollowing){this.courseFollowing = courseFollowing;}  public String getCourseFollowing(){ return this.courseFollowing;} }   public class Q5\_Main {   public static void main(String[] args) {   Lecturer lecturer = new Lecturer();  lecturer.setLectureName("Mr. John");  lecturer.setCourseTeaching("Programming For Kids");   Course course = new Course();  course.setCourseCode("CT3456");  course.setCourseName("Programming For Kids");  course.setLecturer(lecturer);   Student student = new Student();  student.setStudentName("ABprice");  student.setCourseFollowing("CT3456");  student.setDegreeName("Computer Science");  }   }** |