* Q01a
* package Q\_01;  
  import java.util.Scanner;  
    
  public class Q\_01a {  
   public static void main(String[] args) {  
   Scanner s = new Scanner(System.*in*);  
    
   System.*out*.println("Enter value for A:");  
   int A = s.nextInt();  
    
   System.*out*.println("Enter value for B:");  
   int B = s.nextInt();  
    
   System.*out*.println("Enter value for C:");  
   int C = s.nextInt();  
    
   double result = Math.*sqrt*(B \* B + 4 \* A \* C);  
    
   System.*out*.println("The result is: " + result);  
    
   s.close();  
   }  
  }

A screenshot of a computer

AI-generated content may be incorrect.

* Q01b
* package Q\_01;  
  import java.util.\*;  
    
  public class Q\_01b {  
   public static void main(String[] args) {  
   Scanner s = new Scanner(System.*in*);  
   System.*out*.println("Enter value for X:");  
   int X = s.nextInt();  
    
   System.*out*.println("Enter value for Y:");  
   int Y = s.nextInt();  
    
   double result = Math.*sqrt*(X + 4\*Math.*pow*(Y,3));  
   System.*out*.println("The result is : "+ result);  
    
   s.close();  
    
    
    
   }  
  }

A screen shot of a computer

AI-generated content may be incorrect.

* Q01c
* package Q\_01;  
  import java.util.\*;  
    
  public class Q\_01c {  
   public static void main(String[] args) {  
   Scanner s = new Scanner(System.*in*);  
    
   System.*out*.println("Enter value for X:");  
   int X = s.nextInt();  
    
   System.*out*.println("Enter value for Y:");  
   int Y = s.nextInt();  
    
   double result = Math.*cbrt*(X\*Y);  
    
   System.*out*.println("The result is :" +result);  
   s.close();  
   }  
    
  }

A computer screen shot of a code

AI-generated content may be incorrect.

* Q01d
* package Q\_01;  
    
  import java.util.Scanner;  
    
  public class Q\_01d {  
   public static void main(String[] args) {  
   Scanner s = new Scanner(System.*in*);  
    
   System.*out*.println("Enter value for Radius :");  
   int r = s.nextInt();  
    
   double result = Math.*PI* \*Math.*pow*(r,2);  
   System.*out*.println("The Area is :"+result);  
   }  
  }

A screen shot of a computer

AI-generated content may be incorrect.

* Q02
* package Q\_02;  
  import java.util.\*;  
    
  public class Q\_02 {  
   public static void main(String[] args) {  
   Scanner s = new Scanner(System.*in*);  
    
   System.*out*.println("Enter cm value :");  
   int X = s.nextInt();  
    
   double inches = X / 2.54;  
   int feet = (int) (inches / 12);  
   double remainingInches = inches % 12;  
    
   System.*out*.println(X + " cm is approximately " + feet + " feet " + remainingInches + " inches.");  
   s.close();  
    
   }  
  }

A computer screen with white text

AI-generated content may be incorrect.

* Q03
* package Q\_03;  
  import java.util.\*;  
    
  public class Q\_03 {  
   public static void main(String[] args) {  
   System.*out*.println("Input temperature in celsius:");  
   Scanner s = new Scanner(System.*in*);  
    
   int C = s.nextInt();  
   double result = (1.8\*C)+32;  
   System.*out*.println("Fahrenheit :"+result);  
   s.close();  
   }  
  }

A screen shot of a computer

AI-generated content may be incorrect.

* Q04
* package Q\_04;  
  import java.util.\*;  
    
  public class Q\_04 {  
   public static void main(String[] args) {  
   Scanner s = new Scanner(System.*in*);  
   System.*out*.println("Input weight of person :");  
   int W = s.nextInt();  
    
   int result = W\*19;  
    
   System.*out*.println("Calories :"+result);  
   s.close();  
    
   }  
  }

A screen shot of a computer

AI-generated content may be incorrect.

* Q05
* package Q\_05;  
  import java.util.\*;  
    
  public class Q\_05 {  
   public static void main(String[] args) {  
   Scanner s = new Scanner(System.*in*);  
   System.*out*.println("Enter temparature in Fehranheit :");  
   int F = s.nextInt();  
   double result = (5.0/9)\*(F-32);  
    
   System.*out*.println("Celsius: "+result);  
   s.close();  
    
    
   }  
  }

A screen shot of a computer

AI-generated content may be incorrect.

* Q06
* package Q\_06;  
  import java.util.\*;  
  import java.text.SimpleDateFormat;  
    
  public class Q\_06 {  
   public static void main(String[] args) {  
   Scanner s = new Scanner(System.*in*);  
   System.*out*.println("Enter your born year: ");  
   int Y = s.nextInt();  
    
   Calendar C;  
   C = Calendar.*getInstance*();  
   int CY = C.get(Calendar.*YEAR*);  
    
   int age = CY - Y;  
   System.*out*.println("You were born in "+Y+ " and your age is "+age);  
   s.close();  
   }  
  }

A screen shot of a computer

AI-generated content may be incorrect.

* Q07
* package Q\_07;  
  import java.util.\*;  
    
  public class Q\_07 {  
   public static void main(String[] args) {  
   Scanner s = new Scanner(System.*in*);  
   System.*out*.println("Enter your weight(kg) :");  
   int W = s.nextInt();  
    
   System.*out*.println("Enter your height(cm) :");  
   int H = s.nextInt();  
    
   double BMI = W/Math.*pow*(H/100.0,2);  
   if (BMI >=20 && BMI <=25){  
   System.*out*.println("BMI = "+BMI+"\nNormal");  
    
   }else{  
   System.*out*.println("BMI ="+BMI+"\nNot Normal");  
   }  
   s.close();  
   }  
  }

A screen shot of a computer

AI-generated content may be incorrect.

* Q08
* package Q\_08;  
  import java.util.\*;  
    
  public class Q\_08 {  
   public static void main(String[] args) {  
   Scanner s = new Scanner(System.*in*);  
   System.*out*.println("Enter radius of sphere :");  
   int R = s.nextInt();  
    
   double V = (4.0/3)\*Math.*PI*\*Math.*pow*(R,3);  
    
   System.*out*.println("Volume of sphere is: "+V);  
   s.close();  
   }  
  }

A computer screen shot of a code

AI-generated content may be incorrect.

* Q09

package Q\_09;  
import java.util.\*;  
public class Q\_09 {  
 public static void main(String[] args) {  
 Scanner s = new Scanner(System.*in*);  
 System.*out*.println("Enter Dollar Amount :");  
 double P = s.nextInt();  
  
 System.*out*.println("Enter Percent Interest Rate :");  
 double R = s.nextInt();  
  
 System.*out*.println("Enter Number of Years :");  
 int N = s.nextInt();  
  
 double result = P\* Math.*pow*(1+(R/100.0),N);  
 System.*out*.println("Your investment is :"+result);  
  
 s.close();  
 }  
}

A screenshot of a computer program

AI-generated content may be incorrect.

* Q10
* package Q\_10;  
  import java.util.\*;  
    
    
  public class Q\_10 {  
   public static void main(String[] args) {  
   Scanner s = new Scanner(System.*in*);  
    
   double loanAmount;  
   double annualInterestRate;  
   double monthlyInterestRate;  
   double monthlyPayment;  
   double totalPayment;  
    
   int MONTHS\_IN\_YEAR = 12;  
   int numberOfPayments;  
   int loanPeriod;  
    
   System.*out*.println("Enter loan amount :");  
   loanAmount = s.nextDouble();  
    
   System.*out*.println("Enter annual interest rate :");  
   annualInterestRate = s.nextDouble();  
    
   System.*out*.println("Enter loan period in months :");  
   loanPeriod= s.nextInt();  
    
   monthlyInterestRate = annualInterestRate/100.0/MONTHS\_IN\_YEAR;  
   numberOfPayments = loanPeriod \* MONTHS\_IN\_YEAR;  
   monthlyPayment = (loanAmount \* monthlyInterestRate) / (1-Math.*pow*(1/(1+monthlyInterestRate),numberOfPayments));  
   totalPayment = monthlyPayment \* numberOfPayments;  
    
   System.*out*.println("Monthly Payment is :"+monthlyPayment);  
   System.*out*.println("Total Payment is :"+totalPayment);  
   s.close();  
   }  
    
  }

A screen shot of a computer

AI-generated content may be incorrect.