Q01.A.

package Q01;  
  
import java.sql.SQLOutput;  
import java.util.\*;  
  
public class Q01\_1 {  
 public static void main(String[] args) {  
  
 System.*out*.print("Enter value for A:");  
 Scanner s;  
 s=new Scanner(System.*in*);  
 int A;  
 A=s.nextInt();  
  
 System.*out*.print("Enter value for B:");  
 int B;  
 B=s.nextInt();  
  
 System.*out*.print("Enter value for C:");  
 int C;  
 C=s.nextInt();  
  
 int Z=(B\*B)+(4\*A\*C);  
  
 float X=(float)Math.*sqrt*(Z);  
  
 System.*out*.println(X);  
  
  
 }  
}

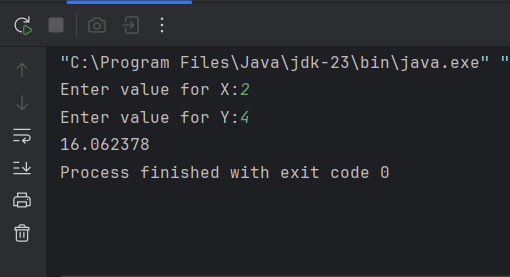
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Q01.B.

package Q01;  
import java.util.\*;  
public class Q01\_2 {  
 public static void main(String[] args) {  
  
 System.*out*.print("Enter value for X:");  
 Scanner s;  
 s=new Scanner(System.*in*);  
 int X=s.nextInt();  
  
 System.*out*.print("Enter value for Y:");  
 int Y;  
 Y=s.nextInt();  
  
 int W;  
 W=X+(4\*(Y\*Y\*Y));  
  
 float Z=(float)Math.*sqrt*(W);  
  
 System.*out*.print(Z);

}  
}



Q01.C.

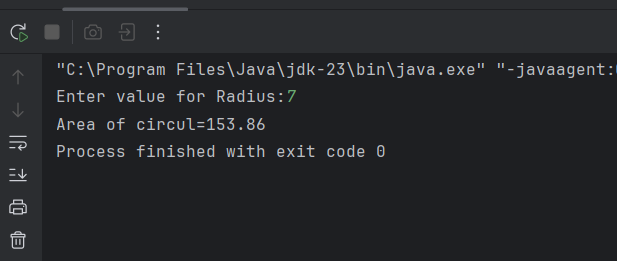
package Q01;  
import java.sql.SQLOutput;  
import java.util.\*;  
  
public class Q01\_3 {  
 public static void main(String[] args) {  
  
 Scanner s;  
 s=new Scanner(System.*in*);  
  
 System.*out*.print("Enter value for X:");  
 int X;  
 X=s.nextInt();  
  
 System.*out*.print("Enter value for Y:");  
 int Y;  
 Y=s.nextInt();  
  
 int M=X\*Y;  
 float C=(float)Math.*cbrt*(M);  
 System.*out*.println(C);  
  
 }  
}

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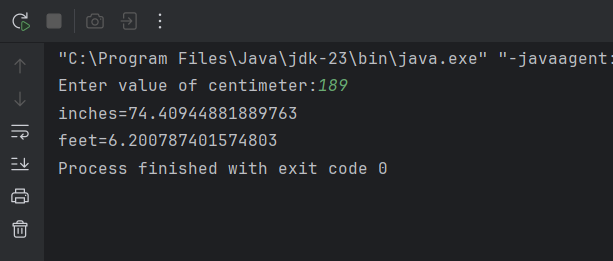
Q01.D.

package Q01;  
import java.util.\*;  
public class Q01\_4 {  
 public static void main(String[] args) {  
  
 final double F=3.14;  
  
 System.*out*.print("Enter value for Radius:");  
 Scanner s;  
 s=new Scanner(System.*in*);  
 int r=s.nextInt();  
 double a=F\*r\*r;  
 System.*out*.print("Area of circul="+a);  
  
 }  
}



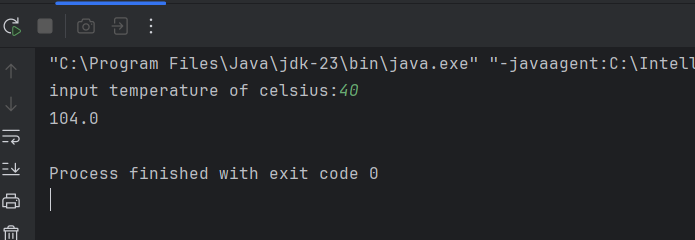
Q02.

package Q02;  
import java.util.\*;  
public class Q02 {  
 public static void main(String[] args) {  
  
 System.*out*.print("Enter value of centimeter:");  
  
 Scanner S;  
 S=new Scanner(System.*in*);  
 int X=S.nextInt();  
  
 double I=(X/2.54);  
  
 double F=(X/30.48);  
  
 System.*out*.println("inches="+I);  
 System.*out*.print("feet="+F);  
   
 }  
}



Q03.

package Q03;  
import java.util.\*;  
public class Q03 {  
 public static void main(String[] args) {  
  
 System.*out*.print("input temperature of celsius:");  
 Scanner S;  
 S=new Scanner(System.*in*);  
 int C=S.nextInt();  
  
 double F;  
 F=(1.8\*C)+32;  
 System.*out*.println(F);  
 }  
}



Q04.

package Q04;  
import java.util.\*;  
  
public class Q04 {  
 public static void main(String[] args) {  
  
 System.*out*.print("Input your weight:");  
 Scanner S;  
 S = new Scanner(System.*in*);  
 int W;  
 W = S.nextInt();  
 int C = W \*19;  
 System.*out*.println(C+" calories");  
 }  
}

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Q05.

package Q05;  
import java.util.\*;  
public class Q05 {  
 public static void main(String[] args) {  
  
 System.*out*.print("input temperature in fahrenheit:");  
 Scanner S;  
 S=new Scanner(System.*in*);  
 double F;  
 F=S.nextInt();  
 double C=0.56\*(F-32);  
 System.*out*.println(C);  
 }  
}

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Q06.

package Q06;  
import java.util.\*;  
public class Q06 {  
 public static void main(String[] args) {  
  
 System.*out*.print("Input the year you were born:");  
 Scanner S=new Scanner(System.*in*);  
 int year=S.nextInt();  
 Calendar C;  
 C=Calendar.*getInstance*();  
 int CY=C.get(Calendar.*YEAR*);  
 int age =CY - year;  
 System.*out*.println("You were born in " + year + " and you will be " + age+" this year.");  
 }  
}

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Q07.

package Q07;  
import java.util.\*;  
public class Q07 {  
  
 public static void main(String[] args) {  
  
 Scanner S;  
 S = new Scanner(System.*in*);  
  
 System.*out*.print("input your weight of(kg):");  
 int W = S.nextInt();  
  
 System.*out*.print("input your height of(cm):");  
 int H = S.nextInt();  
  
 double BMI = W / ((H / 100.0) \* (H / 100.0));  
  
 if (BMI >= 20 && BMI <= 25) {  
 System.*out*.println("BMI=" + BMI + "\nNormal");  
 } else {  
 System.*out*.println("BMI=" + BMI + "\n Not Normal");  
 }  
 }  
}

A screen shot of a computer code

AI-generated content may be incorrect.

Q08.

package Q08;  
import java.util.\*;  
public class Q08 {  
 public static void main(String[] args) {  
  
 final double PI=3.14;  
  
 System.*out*.print("input radius of sphere:");  
 Scanner S;  
 S=new Scanner(System.*in*);  
 int r=S.nextInt();  
  
 double V;  
 V=(4/3)\*PI\*r\*r\*r;  
  
 System.*out*.println("Volume of spere = "+V);  
 }  
}

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AI-generated content may be incorrect.

Q09.

package Q09;  
import java.util.\*;  
public class Q09 {  
 public static void main(String[] args) {  
  
 Scanner S=new Scanner(System.*in*);  
  
 System.*out*.print("Input amount of dollars:");  
 int P=S.nextInt();  
  
 System.*out*.print("Input percent:");  
 int R=S.nextInt();  
  
 System.*out*.print("Input amount of years:");  
 int N=S.nextInt();  
  
 double M=Math.*pow*(1+(R/100.0),N);  
 M=P\*M;  
 System.*out*.print("The final amount after "+N+" years is:"+M);  
 }  
}

A screen shot of a computer code

AI-generated content may be incorrect.

Q10.

package Q10;  
import java.text.DecimalFormat;  
import java.util.Scanner;  
public class Q10 {  
 public static void main(String[] args) {  
  
 Scanner s = new Scanner(System.*in*);  
 DecimalFormat df = new DecimalFormat("#.##");  
  
 double loanAmount;  
 double annualInterestRate;  
 double monthlyInterestRate;  
 double monthlyPayment;  
 double totalPayment;  
  
 int loanPeriod;  
 int numberOfPayments;  
  
 System.*out*.print("input amount of loan:");  
 loanAmount = s.nextDouble();  
  
 System.*out*.print("input annual interest rate:");  
 annualInterestRate = s.nextDouble();  
  
 System.*out*.print("input loan period in months:");  
 loanPeriod = s.nextInt();  
  
 monthlyInterestRate = (annualInterestRate / 100) / 12;  
 numberOfPayments = loanPeriod;  
 monthlyPayment = (loanAmount \* monthlyInterestRate) / (1 - Math.*pow*((1 / (1 + monthlyInterestRate)), numberOfPayments));  
 totalPayment = monthlyPayment \* numberOfPayments;  
  
 System.*out*.print("Monthly Payment:" + df.format(monthlyPayment));  
 System.*out*.print("\nTotal Payment after " + loanPeriod + " months:" + df.format(totalPayment));  
 }  
}

A screenshot of a computer program

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