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COSC 236

Your name:Christian Seyoum

Description:Letter Grade generater

Filename:Lab8\_problem3

Date started:6/22/2018

Modification history:6/22/2018

Classes: main

\*/

import java.util.Scanner;

public class Lab8\_Problem3

{

public static void main(String[] args)

{

// DECLARATIONS

// Input-capture variables:

double dGrade;

// Expression-result variables:

Scanner cin = new Scanner(System.in);

// Counter, accumulator, or flag variables:

// Other variables:

// Instantiations:

// INITIALIZE VARIABLES

// INPUT

System.out.print("Enter score: ");

dGrade=cin.nextDouble();

fvGrade(dGrade);

}

//A method that recives the grade then displays the letter grade

public static void fvGrade(double pdGrade)

{

// PROCESSING AND CALCULATIONS

if (pdGrade>=0 && pdGrade<=100)

{

if (pdGrade>=95)

System.out.println("Letter grade equivalent: A");

else if (pdGrade>=90)

System.out.println("Letter grade equivalent: A-");

else if (pdGrade>=87)

System.out.println("Letter grade equivalent: B+");

else if (pdGrade>=83)

System.out.println("Letter grade equivalent: B");

else if (pdGrade>=80)

System.out.println("Letter grade equivalent: B-");

else if (pdGrade>=75)

System.out.println("Letter grade equivalent: C+");

else if (pdGrade>=70)

System.out.println("Letter grade equivalent: C");

else if (pdGrade>=67)

System.out.println("Letter grade equivalent: D+");

else if (pdGrade>=63)

System.out.println("Letter grade equivalent: D");

else if (pdGrade>=60)

System.out.println("Letter grade equivalent: D-");

else

System.out.println("Letter grade equivalent: F");

}

else

{

System.out.println("Invalid Date Entry: Range is 0 to 100");

}

return;

}

}

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COSC 236

Your name:Christian Seyoum

Description:gives name of elements from the second row

Filename:Lab8\_problem4

Date started:6/22/2018

Modification history:6/22/2018

Classes: main

\*/

import java.util.Scanner;

public class Lab8\_Problem4

{

public static void main(String[] args)

{

// DECLARATIONS

// Input-capture variables:

String sSymbol;

// Expression-result variables:

Scanner cin = new Scanner(System.in);

// Counter, accumulator, or flag variables:

// Other variables:

// Instantiations:

// INITIALIZE VARIABLES

// INPUT

System.out.print("Enter the chemical symbol of a Row 2 element: ");

sSymbol=cin.nextLine();

fbElement(sSymbol);

}

//A method that recives that chemical symbol then

//displays the Element name

public static boolean fbElement(String psSymbol)

{

String sElement;

if (psSymbol.length() == 1 || psSymbol.length() == 2)

{

switch (psSymbol)

{

case "Li":

sElement = "Lithium";

System.out.println("Symbol: "+psSymbol+" Element: "+sElement);

break;

case "Be":

sElement = "Berillium";

System.out.println("Symbol: "+psSymbol+" Element: "+sElement);

break;

case "B":

sElement = "Boron";

System.out.println("Symbol: "+psSymbol+" Element: "+sElement);

break;

case "C":

sElement = "Carbon";

System.out.println("Symbol: "+psSymbol+" Element: "+sElement);

break;

case "N":

sElement = "Nitrogen";

System.out.println("Symbol: "+psSymbol+" Element: "+sElement);

break;

case "O":

sElement = "Oxygen";

System.out.println("Symbol: "+psSymbol+" Element: "+sElement);

break;

case "F":

sElement = "Flourine";

System.out.println("Symbol: "+psSymbol+" Element: "+sElement);

break;

case "Ne":

sElement = "Neon";

System.out.println("Symbol: "+psSymbol+" Element: "+sElement);

break;

default:

System.out.println("Invalid symbol or symbol not found in Row 2");

break;

}

}

else

{

System.out.println("Invalid Date Entry: length must be 1 or 2");

}

return true;

}

}

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COSC 236

Your name:Christian Seyoum

Description:Display gate and corresponding radio frequency

Filename:Lab8\_problem5

Date started:6/22/2018

Modification history:6/22/2018

Classes: main

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import java.util.Scanner;

public class Lab8\_Problem5

{

public static void main(String[] args)

{

// DECLARATIONS

// Input-capture variables:

int iRadial;

iRadial = fiRadial(0);

fvRadial(iRadial);

}

//A method that prompts and gets the radial

//then return the radial

public static int fiRadial (int piRadial)

{

Scanner cin = new Scanner(System.in);

System.out.print("Enter radial: ");

piRadial=cin.nextInt();

return piRadial;

}

//A methoid that gets the radial then displays the radio frequency

public static void fvRadial (int piRadial)

{

if (piRadial>=1 && piRadial<=360)

{

if (piRadial>=341 && piRadial<=46)

System.out.println("Use WOOLY on 132.775");

else if (piRadial>=47 && piRadial<119)

System.out.println("Use PALEO on 132.775");

else if (piRadial>=120 && piRadial<172)

System.out.println("Use WHINO on 125.125");

else if (piRadial>=173 && piRadial<214)

System.out.println("Use GRUBY on 125.125");

else if (piRadial>=215 && piRadial<236)

System.out.println("Use BRV on 127.325");

else if (piRadial>=237 && piRadial<269)

System.out.println("Use FLUKY on 127.325");

else if (piRadial>=270 && piRadial<309)

System.out.println("Use JASEN on 127.325");

else if (piRadial>=310 && piRadial<=340)

System.out.println("Use LUCKE on 132.775");

else

{

System.out.println("Invalid entry");

}

}

else

{

System.out.println("must be between 1 and 360");

}

return;

}

}