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\* Unit 4 Activity 1 Program/Question 3

\* This program will have the user enter a compass direction and then .

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import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

public class Compass

{

public static void main(String[] args) throws IOException

{

//Variable Declarations and Initializations

int restart = 0;

do

{

String direction;

BufferedReader input = new BufferedReader(new InputStreamReader (System.in));

System.out.println("Compass Directions\n==============");

System.out.println("Input a compass direction (E.g. N08E):");

direction = input.readLine();

switch (direction.charAt(0))

{

case 'N': System.out.print("Start facing North. ");

break;

case 'S': System.out.print("Start facing South. ");

break;

}//end switch

System.out.print("Turn " + direction.substring(1 , 3) + " degrees towards ");

switch (direction.charAt(3))

{

case 'E': System.out.println("East.");

break;

case 'W': System.out.println("West.");

break;

}//end switch

System.out.println("Press 1 to try again.");

restart = Integer.parseInt(input.readLine());

}//end do

while(restart == 1);

}//end main

}//end class