**Write a short program that will take two input values from the keyboard, these represent the number of hits and the number of at-bats for a batter.  Calculate the batting average for the batter.  Your program will display a message that the batter is eligible for the All Star Game is the batting average is above 0.300.  If the batting average is 0.300 or below, your program will display a message stating that the batter is ineligible for the All Star Game.**

**You have multiple samples of how to do keyboard input in Java.  Use double variables for the number of hits, the number of at-bats and the batting average.  Using a Scanner object, use nextDouble() for the input rather than nextInt() that you have seen in some of your examples.**

**Deliverables:**

**a pseudo code solution to the above problem**

**a working Java solution to the above problem**

Class AllStar

Private Real hits

Private Real atbat

Private Real battingAverage

Public Module AllStar()

Set hits = 0.0

Set atbat = 0.0

Set battingAverage = 0.0

End Module

Public Module Plan (Real newHits, Real newAtbat)

Set Hits = newHits

Set Atbat = newAtbat

End Module

Public Module setHits (Real newHits)

Set Hits = newHits

End Module

Public Function Real getHits ()

Return Hits

End Function

Public Module setAtbat (Real newAtbat)

Set Atbat = newAtbat

End Module

Public Function Real getAtbat ()

Return Atbat

End Function

Public Module set BattingAverage (Real new BattingAverage)

Set BattingAverage = newBattingAverage

End Module

Public Function Real get BattingAverage ()

Return BattingAverage

End Function

Module main()

Declare AllStar playerOne

Set playerOne= New Customer()

Display “Please input the player's at-bats: "

Input atbat

Display “Please input the player's hits: "

Input hits

Set battingAverage = atbat / hits

Display “The player's average is: , " battingAverage ,"

If battingAverage > 0.300

Display "Since it is above 0.300 they are eligible for the All Star Game,"

Else

Display "Since it is below 0.300 they are ineligible for the All Star Game,"

End If

import java.util.Scanner;  
  
 public class AllStar  
   
 {  
  
 public static void main( String args[])  
  
 {  
  
 Scanner input = new Scanner( System.in );  
  
   
  
 double hits;  
 double atbat;  
 double battingAverage;  
   
  
 System.out.print("Please input the player's at-bats: ");  
 atbat = input.nextDouble  
 System.out.println( " ");   
   
 System.out.print("Please input the player's hits: ");  
 hits = input.nextDouble  
 System.out.println( " ");   
  
 double battingAverage = atbat / hits;   
   
 if battingAverage > 0.300   
  
 System.out.println("Since it is above 0.300 they are eligible for the All Star Game";  
 System.out.println( " "); }  
   
 else if   
   
 System.out.println("Since it is below 0.300 they are ineligible for the All Star Game";  
 System.out.println( " "); }

}  
}