Part 1 Pseudocode for Question 9

//

put workout row2 {

       row key <-2

       Member:Member_id<-2011078

       Member:Name<-Ozcan Ozan

       Member:Member_since<-2011

       Weight:Bicep_Curl<-25

       Weight:Triceps_Deeps<-Body_Weight

       Weight:Plank<-Body_Weight

       Trainer:Trainer1<-Heather Smith

       Trainer:Trainer2<-Barbara Eden

       Trainer:Trainer3<-James Martin

}

//

Part 2 Pseudocode.

       Pseudocode to parse the 50 years old UMGC academic records system in the part 2 of
       Assignment 1

//

Create table UMGC_Academic_Record with column family Student_Info, Program_Info,
Grades_DATA, Grades_DBST, Grades_ITEC, Instructors_DATA, Instructors_DBST,
Instructors_ITEC

put UMGC_Academic_Record row1 {

       row key <-1

       Student_Info:Student_Name<-Yelena Bytenskaya

       Student_Info:EmplID<-123456

       Student_Info:Username<-ybytensk

Student_Info:Instructor_ID<-234567

Student_Info:Graduation_Status<-Yes

Program_Info:Program<-Information Technology

Program_Info:Specialization1<-Database Systems

Grades_DBST:DBST651<-A

Grades_DBST:DBST667<-A

Grades_ITEC:ITEC630<-B

Instructors_DBST:DBST651<-James Smith

Instructors_DBST:DBST651<-Jennifer Lopez

Instructors_DBST:DBST667<-Catharine Murphy

Instructors_ITEC:ITEC630<-Jennifer Lopez

}

put UMGC_Academic_Record row2 {

row key <-2

Student_Info:Student_Name<-Linesh Dave

Student_Info:EmplID<-567890

Student_Info:Username<-ldave

Student_Info:Instructor_ID<-567907

Student_Info:Graduation_Status<-Yes

Program_Info:Program<-Data Analytics

Grades_DATA:DATA610<-B

Grades_DATA:DATA620<-A

Grades_DATA:DATA630<-C

Grades_DATA:DATA630<-A

Grades_DATA:DATA640<-B

Grades_DATA:DATA650<-A

Grades_DATA:DATA670<-B

Instructors_DATA:DATA610<-Steve Knode

Instructors_DATA:DATA620<-Caroline Beam

Instructors_DATA:DATA630<-Bati Firdu

Instructors_DATA:DATA640<-Steve Knode

Instructors_DATA:DATA650<-Elena Gortcheva

Instructors_DATA:DATA650<-Ozan Ozcan

Instructors_DATA:DATA650_TA<-Yelena Bytenskaya

Instructors_DATA:DATA670<-Jon McKeeby

Instructors_DATA:DATA670<-Steve Knode

}

put UMGC_Academic_Record row3 {

row key <-3

Student_Info:Student_Name<-Jeff Martin

Student_Info:EmplID<-987654

Student_Info:Username<-jmartin

Student_Info:Graduation_Status<-No

Program_Info:Program<-Information Technology

Program_Info:Specialization1<-Database Systems

Program_Info:Specialization2<-Project Management

Program_Info:Specialization3<-Software Engineering

Grades_DBST:DBST651<-F

Grades_DBST:DBST651<-B

Grades_ITEC:ITEC610<-B

Grades_ITEC:ITEC620<-A

Instructors_DBST:DBST651<-James Green

Instructors_DBST:DBST651_TA<-Yelena Bytenskaya

Instructors_ITEC:ITEC610<-Brandon Morris

Instructors_ITEC:ITEC620<-Elena Gortcheva

}