**CODE ASSIGMENT 3**

**import** java.util.Scanner;

**public** **class** AssignmentThree {

**public** **static** **void** main(String[] args) {

Scanner sc = **new** Scanner (System.***in***);

System.***out***.println ("Hye! Welcome and thank you for choosing Malaysia Airlines and we look forward to welcoming you on board.");

System.***out***.println ("Thank you again for choosing us for your journey PENANG - KOTA KINABALU.");

System.***out***.println("We're having promotion for year-end sale.");

System.***out***.println ("May I have your name and email address please.");

System.***out***.println (" ");

//Choosing avail seat

**int**[] SeatNo = **new** **int**[30];

**int** Seats;

**int** YesOrNo = 1;

**while** (YesOrNo == 1) {

System.***out***.println("Name: ");

String name = sc.next();

System.***out***.println("Email address: ");

String email = sc.next();

System.***out***.println("\nWelcome! Please have a look at the available seat.\n\n");

**for** (**int** i = 1; i <= 34; i++) {

System.***out***.print("\*");

}

System.***out***.println();

System.***out***.print(" MH157 SEATING PLAN");

System.***out***.println();

**for** (**int** j = 1; j <= 34; j++) {

System.***out***.print("\*");

}

System.***out***.println();

**for** (**int** Seat = 0; Seat < SeatNo.length; Seat++) {

System.***out***.printf(Seat + "\t");

**if** (Seat == 4) {

System.***out***.println();

} **else** **if** (Seat == 9) {

System.***out***.println();

} **else** **if** (Seat == 14) {

System.***out***.println();

} **else** **if** (Seat == 19) {

System.***out***.println();

} **else** **if** (Seat == 24) {

System.***out***.println();

} **else** **if** (Seat == 29) {

System.***out***.println();

}

}

**for** (**int** k = 1; k <= 34; k++) {

System.***out***.print("\*");

}

System.***out***.println();

System.***out***.print("Which seat would you like to book? ");

Seats = sc.nextInt();

**while** (Seats < 0 || Seats > 29) {

System.***out***.println("Only 0 - 29 seats are allowed to book. Please try again: ");

Seats = sc.nextInt();

}

**for** (**int** SeatCounter = 0; SeatCounter < SeatNo.length; SeatCounter++) {

**if** (SeatCounter == Seats) {

System.***out***.println("Seat " + Seats + " is successfully booked.");

System.***out***.println(

"Thanks for booking!\n\nWould you like to make next booking? (Type 1 = Yes; Type 2 = No)");

YesOrNo = sc.nextInt();

**if** (YesOrNo == 2) {

System.***out***.println("Please go to next section.");

}

}

}

**while** (YesOrNo != 1 && YesOrNo != 2) {

System.***out***.println("Invalid input.");

System.***out***.println("Type 1 = Continue booking; Type 2 = Done booking");

YesOrNo = sc.nextInt();

**if** (YesOrNo == 2) {

System.***out***.println("Please go to next section.");

}

}

System.***out***.println(" ");

**int** t=1;

**do** {

**if** (t>0)

System.***out***.print("\*");

t++;

} **while**(t<45);

//Discount for flight ticket

System.***out***.println("\nThere would be some discounts when you choose our seating classes. ");

System.***out***.println("\nWould you like to have some discounts? (Type Y = yes ; Type N = no)");

**char** ans = sc.next().charAt(0);

**int** class1=0, class2=0, class3=0;

**double** total = 0, price1=0, price2=0, price3=0;

**if**(ans == 'Y' || ans == 'y') {

System.***out***.println("How much you choose seating in First Class?");

class1 = sc.nextInt();

price1 = class1 \* 2300;

System.***out***.println("How much you choose seating in Bussiness Class?");

class2 = sc.nextInt();

price2 = class2 \* 1700;

System.***out***.println("How much you choose seating in Ecnomy Class?");

class3 = sc.nextInt();

price3 = class3 \* 1000;

total = price1 + price2 + price3;

}

**else** **if**(ans == 'N' || ans == 'n') {

System.***out***.println("\nThank you for choosing Malaysia Airlines!");

}

**double** disc = 0, dprice = 0;

**if** ( total >= 200 ) {

disc = total\*30/100;

dprice = total - disc;

}

**else** **if** ( total > 100 || total < 200 ) {

disc = total\*20/100;

dprice = total - disc;

}

**else** {

disc = total\*10/100;

dprice = total - disc;

}

System.***out***.println();

System.***out***.println("\nName:\t"+ name);

System.***out***.println("Email address:\t"+ email);

System.***out***.println("\nThe total price:\t"+ total);

System.***out***.println("Your total discount:\t"+ disc);

System.***out***.println("Your price to be paid:\t"+ dprice);

System.***out***.println("\nThank you for choosing Malaysia Airlines!");

sc.close();

//Assist inquiries

String [][] assist = {{"Mr.", "Mrs.", "Ms."},

{"Ady", "Reena", "Zihan"}};

System.***out***.println();

System.***out***.println("For any inquiries please do not hesitate.");

System.***out***.println(assist[0][0] + " " + assist[1][0] + " will be glad to assist you. ");

System.***out***.println("Here are the contact,");

System.***out***.println("Phone no: 03-4210861");

System.***out***.println("Email address: muhamadazri@mas.my.com");

}

}

}

**OUTPUT ASSIGMENT 3**



