**Source code**

import java.util.\*;  
public class ktmb  
{  
 public static void main(String[]args)  
 {   
 int q\_adult=0,q\_child=0;  
 float priceAdult=0,priceChild=0,combo\_price=0;  
  
 Scanner scan=new Scanner(System.in);  
   
   
 char choice='Y';  
 while(choice=='Y')  
 {  
 System.out.println("Enter your ID:");  
 String id=scan.nextLine();  
 System.out.println("Choose your type of package:");  
 String pack=scan.next();  
   
 if(pack.equalsIgnoreCase("G") || pack.equalsIgnoreCase("P"))  
 {  
 if(pack.equalsIgnoreCase("G"))  
 {   
 System.out.println("Enter quantity for adult:");  
 q\_adult=scan.nextInt();  
 priceAdult=q\_adult\*59;  
 System.out.println("Enter quantity for children:");  
 q\_child=scan.nextInt();   
 priceChild=q\_child\*34;   
   
 System.out.println("Do you want to add an a meal combo? Y/N");  
 char combo=scan.next().charAt(0);  
 if(combo == 'Y')  
 {  
 System.out.println("Enter quantity for meal combo:");  
 int q\_meal=scan.nextInt();  
 combo\_price=q\_meal\*7;  
 }  
 else  
 {  
 combo\_price=0;  
 }  
   
   
   
 }  
  
 else if(pack.equalsIgnoreCase("P"))  
 {  
 System.out.println("Enter quantity for adult:");  
 q\_adult=scan.nextInt();   
 priceAdult=q\_adult\*79;  
 System.out.println("Enter quantity for children:");  
 q\_child=scan.nextInt();   
 priceChild=q\_child\*44;  
   
 System.out.println("Do you want to add an a meal combo? Y/N");  
 char combo=scan.nextLine().charAt(0);  
 if(combo == 'Y')  
 {  
 System.out.println("Enter quantity for meal combo:");  
 int q\_meal=scan.nextInt();  
 combo\_price=7\*q\_meal;  
 }  
 else  
 {  
 combo\_price=0;  
 }  
 }  
   
 float totalPrice=priceAdult+priceChild;  
 float netPrice=totalPrice+combo\_price;  
   
   
 System.out.println("----------------------------------------------------");  
 System.out.println("ETS TICKET INFORMATION - Butterworth to Kuala Lumpur");  
 System.out.println("----------------------------------------------------");  
 System.out.println("PASSANGER ID : "+id);  
 System.out.println("Number of Adults : "+q\_adult);  
 System.out.println("Number of Children : "+q\_child);  
 System.out.println("Total Ticket Price : RM"+totalPrice);  
 System.out.println("Meal Combo Price : RM"+combo\_price);  
 System.out.println("Net Ticket Price : RM"+netPrice);   
  
 System.out.println("Please enter Y to retry or N to exit.");  
 choice=scan.next().charAt(0);  
 }  
   
 else  
 {  
 System.out.println("You entered an invalid package, please enter Y to retry or N to exit.");  
 choice=scan.next().charAt(0);  
 }  
   
   
 }   
 }  
}

**Output I/O**

 ----jGRASP exec: java ktmb  
Enter your ID:  
A123456  
Choose your type of package:  
G  
Enter quantity for adult:  
2  
Enter quantity for children:  
3  
Do you want to add an a meal combo? Y/N  
Y  
Enter quantity for meal combo:  
5  
----------------------------------------------------  
ETS TICKET INFORMATION - Butterworth to Kuala Lumpur  
----------------------------------------------------  
PASSANGER ID : A123456  
Number of Adults : 2  
Number of Children : 3  
Total Ticket Price : RM220.0  
Meal Combo Price : RM35.0  
Net Ticket Price : RM255.0  
Please enter Y to retry or N to exit.  
N  
  
 ----jGRASP: operation complete.



**FACULTY OF COMPUTER SCIENCE AND MATHEMATICS**

**CS110**

Lab Assignment 1

NAME: MUHAMMAD AL-AMIN BIN MOHD ZAINI

MATRIC NO: 2018280578

GROUP: RCS1103G

ASSIGNMENT : LAB ASSIGNMENT 1

PROGRAMME CODE: CS110

COURSE CODE: CSC238