Course Outcomes (CO)	LO1	LO2	LO3
CO1			
CO2	√	√	√
CO3			

1.1   Keretapi Tanah Melayu Berhad (KTMB) operates an inter-city rail service known as Electric Train Service (ETS) to several destinations of the West Coast Line between Gemas and Padang Besar in Malaysia. As a new programmer positioned in KTMB Penang Branch, you are assigned to develop an application program to calculate the total price of ETS ticket for each passenger that commute using this service from the Butterworth to Kuala Lumpur. The ticket price for each package is as follows:

TYPE OF PACKAGE	TICKET CATEGORY	TICKET PRICE
ETS Gold (G)	Adult	RM 59
	Child	RM 34
ETS Platinum (P)	Adult	RM 79
	Child	RM 44

Write a complete Java program to perform each of the following:

 a) Input the following information:
- Passenger ID (using a string input)
- Type of package (using the character code, G or P)
- Quantity of adult passengers
- Quantity of child passengers

The program should display an appropriate message if the user has entered an invalid package code.

 b) If the passenger wanted to add on a meal combo. Input the following information:
- Add-on meal combo (yes or no)
- Quantity of meal combo

RM 7 is added up for each meal combo requested. Otherwise, the ticket price remains the same. Then, calculate the total price for each passenger ID, meal combo price and the net price for each passenger ID including the meal combo (if requested).

c) Display the passenger information as shown in the following example:

```
-----------------------------------------------------------------------------------
        ETS TICKET INFORMATION – Butterworth to Kuala Lumpur
-----------------------------------------------------------------------------------

PASSNGER ID                 : A123456

Number of Adults            : 2
Number of Children          : 3

Total Ticket Price          : RM 220.00
Meal Combo Price            : RM 35.oo
Net Ticket Price            : RM 255.00
```

d) The program should repeat the step in (a) to (c) until the user enters 'n' to stop.