

NAME : _____
STUDENT NO. : _____
GROUP : _____

QUESTION 1

Damai Bayu Resort offers a variety of packages for the wedding auditorium to their customers. Payments are based on the type of package and the number of hours spent. An additional RM50.00 per guest will be charged for meals. The details of the charges for each package are shown in the following table:

Type of Package	Name of Package	Price / hour (RM)
1	Pearl (basic)	300
2	Ruby (sound Effects)	550
3	Platinum (sound and lighting effects)	750

- a) Write a function named **calcPayment()** that receives the **type of package**, **number of hours spent** and **number of guests** as parameters. This function will calculate and return the **total payment** of the package.
- b) Write the function definition for **calcDiscount()** that receives the total payment as parameter. A discount of **20%** will be given if the total payment is more than **RM5000**, while a **10%** discount is given for another amount. This function will calculate and return the **discount** amount.
- c) Write a main program to do the following:
- Input the **type of package**, **number of hours spent** and **number of guests**.
 - Call the functions defined in **a)** and **b)** above to calculate the **net payment** of the package.
 - Display the **net payment** for a customer
 - The program will ask the user to enter the number of customers. At the end of the process, display the **number of customers that have more than 100 guests** and the **total sales** of all customers.