Based on the following UML class diagram in Figure 8.1, write a complete C++
program that implements the relationships among classes. The explanation of each
method is as in Table 8.2.

Table 8.2: Explanation of each method in each class

Methods	Explanation
Flight class	
addPassenger (Passenger)	This method will add Passenger objects to the passengerList vector.
printInfo()	This method will display all flight information as an example below:
	Flight No: MH3120 Destination: Johor Bahru Departure: 8:10 Arrival: 9:00 Number of Passengers: 10

Passenger	This method will display all passenger
printDetails()	This method will display all passenger information, i.e. <b>name</b> and <b>age</b> .
Kids class	the description of the descripti
<pre>printDetails()</pre>	<ul> <li>This method will display all kids passenger information.</li> <li>This method overrides its superclass printDetails method. The values of its inherited attributes will be displayed by</li> </ul>
Adult class printDetails()	calling its inherited method.      This method will display all adults passenge
principedario	<ul> <li>This method overrides its superclass         printDetails method. The values of its inherited attributes will be displayed by calling its inherited method.     </li> </ul>
Time class	the attribute value of
getHour()	This method will return the attribute value of hour.
getMinute()	This method will return the attribute value of minute.

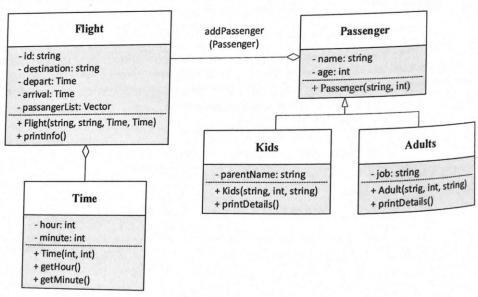


Figure 8.1: Class Diagram of Flight, Passenger, Kids, Adult and Time classes

Your program must be able to produce the following output as illustrated in Figure 8.2.

```
Flight Number: NAS7921
Destination:
               Johore Bahru
Departure:
                8:10
Arrival:
                9:00
Number of Passengers: 3
Number of Adults:
Number of Kids:
Passengers Details:
Name: Ali
               Age:
                      34
                               Job Title
                                               Lecturer
Name: Goh
               Age:
                       25
                               Job Title
                                               Student
Name:
       Azmi
               Age:
                                Parents Name:
                                               Ali
```

Figure 8.2: Example of expected output