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### **Expected Questions**

| (i) State two arrays you used for Task 1. State th | ic data types and purpose of these arrays.                                     |         |
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| Array:   |  | • • • • |
| Data Type:   |  |         |
| Purpose:   |  |         |
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| Array:   | 40(69) n   |         |
| Data Type:   |  |         |
| Data Type  | a AUR  | •••     |
| Purpose:   | N. B.  |         |
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|  | plution for <b>Task 2</b> , how <b>one</b> of the arrays in <b>part (i)</b> is | us      |
| update the train data.                             |  |         |
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| <ul><li>b) Explain, with an example, how your code for Task 2 ensures that the tickets</li><li>e. there are enough tickets available to be purchased.</li></ul>  | s purchase being mad |
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### **Expected Questions**

| (c) State and describe the effect caused on the data structures and their values used within your code by                                | the  |
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| 1600 return train having two extra coaches.  |      |
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| (d) The train company requires you to use the following identifiers in your code for their specific data structure(s):                   |      |
| leaveTrainPass: array used to store the number of passengers on each departure train.  |      |
| leaveTrainTotal: array used to store the total money taken for each departure train.   |      |
| returnTrainPass: array used to store the number of passengers on each return train.  |      |
| returnTrainTotal: array used to store the total money taken for each return train.   |      |
| Write a pseudocode algorithm for <b>Task 3</b> . Implement the use of these identifiers to their relevant corresponding data structures. |      |
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| Expected | Questions |
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### **Expected Questions**

| (e) Write an algorithm for Task 2, using either pseudocode, programming statements or a flowchart. Assu |                  |  |
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| that <b>Task 1</b> has been completed.  |                  |  |
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| Expected | d Questions |
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### **Expected Questions**

| (f) Explain the changes necessary to the solution for Task 1 | in order to also display the total money saved by |
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| group discount on each train.                                |   |
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