

SWINBURNE UNIVERSITY OF TECHNOLOGY

2021 SEM 1 INTRODUCTION TO PROGRAMMING

DOUBTFIRE SUBMISSION

Test 1

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```
1  require './input_functions'
2
3
4  class Flight
5      attr_accessor :id, :name, :origin, :destination
6
7  end
8
9  def read_flight()
10
11
12      plane_id = read_integer("Enter plane id: ")
13      flight_name = read_string("Enter flight name: " )
14      origin = read_string("Enter origin airport: ")
15      destination = read_string("Enter destination airport: ")
16
17      flights = Flight.new()
18      flights.id = plane_id
19      flights.name = flight_name
20      flights.origin = origin
21      flights.destination = destination
22
23      return flights
24  end
25
26  def read_flights()
27      count = read_integer_in_range("How many flights are you entering: ",1,4)
28      flights = Array.new()
29
30      while (count > 0)
31          flight = read_flight()
32          flights << flight
33          count -= 1
34      end
35
36      return flights
37  end
38
39
40  def display_flight(flight)
41
42      puts("Plane id " + flight.id.to_s)
43      puts("Flight " + flight.name)
44      puts("Origin " + flight.origin)
45      puts("Destination " + flight.destination)
46
47  end
48
49  def display_flights(flights)
50      index = 0
51      while index < flights.length
52          display_flight(flights[index])
53          index +=1
```

```
54     end
55 end
56
57 def main()
58     flights = read_flights()
59     display_flights(flights)
60 end
61
62 main()
```

```
PS D:\COS10009\CODE\TEST1> ruby redo_Test1.rb
How many flights are you entering:
2
Enter plane id:
1
Enter flight name:
TA406
Enter origin airport:
MEL
Enter destination airport:
LA
Enter plane id:
2
Enter flight name:
HR508
Enter origin airport:
SYD
Enter destination airport:
VIETNAM
Plane id 1
Flight TA406
Origin MEL
Destination LA
Plane id 2
Flight HR508
Origin SYD
Destination VIETNAM
PS D:\COS10009\CODE\TEST1> █
```