**GROUP 5 - CASE STUDY 3**

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**PSEUDOCODE**

1.Start

2. Set year, month, date, dest, price, day

3. Print “Please fill in the departure date.”

4. Print “U=Sunday, M=Monday, T=Tuesday, W=Wednesday, H=Thursday, F=Friday, S=Saturday”

5. Print “Day: ”

6. Read day

7. Print “Please fill in the year between 2020 and 2022, inclusive.”

8. If ( (day == 'M') || (day == 'T') || (day == 'W') || (day == 'H') || (day == 'F') || (day == 'S') || (day == 'U') )

8.1 Print “Year: ”

8.2 Read year

8.3Go to step 10

9. Else

9.1 Print “INVALID”

9.2 Go to step 24

10. End\_if-else

11. If ( (year >= 2020) && (year <= 2022) )

11.1 Print “Month: ”

11.2Read month

11.3 Go to step 13

12.Else

12.1 Print “INVALID”

12.2 Go to step 24

13. End\_if-else

14.. If ( (month>=1) && (month<=12) )

14.1 Print “Date: ”

14.2 Read date

14.3 Go to step 16

15. Else

15.1 Print “INVALID”

15.2 Go to step 24

16. End\_if-else

17. If ( ( (date>=1) && (date<=31) ) && (date!=29) )

17.1 Print “Bandar Seri Begawan = 1, Manila = 2, Phnom Penh = 3, Siem Reap = 4, Hanoi = 5”

17.2 Print “Please enter a destination: ”

17.3 Read dest

17.4 Go to step 19

18. Else

18.1 Print “INVALID”

18.2 Go to step 24

19 End\_if-else

20. If ( ( (date<=11) && (date>=5) ) && (year == 2020) && (month == 11) )

21.1 Switch (dest)

21.1.1 Case 1: Calculate price = 2\*1499

Print price

Break

21.1.2 Case 2: Calculate price = 2\*1899

Print price

Break

21.1.3 Case 3: Calculate price = 2\*2099

Print price

Break

21.1.4 Case 4: Calculate price = 2\*1909

Print price

Break

21.1.5 Case 5: Calculate price = 2\*1129

Print price

Break

21.1.6 Default: Print “INVALID”

21.2. Endswitch

22. Else

22.1 Switch (dest)

22.1.1Case 1: price = 1499

Print price

Break

22.1.2 Case 2: price = 1899

Print price

Break

22.1.3 Case 3: price = 2099

Print price

Break

22.1.4 Case 4: price = 1909”

Print price

Break

22.1.5 Case 5: price = 1129

Print price

Break

22.1.6 Default: Print “INVALID”

22.2 Endswitch

23. End\_if-else

24. End