## A2 test cases

12 test cases (5 marks each)

| test case # | data files | input | most.txt |
|---|---|---|---|
| 1 | mainDB_2.csv, airportcode.txt | ```buy SIN-CX-20180101-20180228-2500 50``` <br> ```most``` <br> ```end``` | ```Singapore``` <br> ```#50``` <br> ```$112500``` |
| 2 | mainDB_2.csv, airportcode.txt | ```buy JFK-AC-20170429-20170530-7820 1``` <br> ```buy JFK-CI-20170329-20170405-14310 1``` <br> ```buy SIN-UA-20190222-20190430-2000 1``` <br> ```buy SFO-CX-20170601-20170831-10000 1``` <br> ```buy SEA-DL-20170630-20170831-12000 1``` <br> ```buy KIX-CX-20170808-20170809-1000 1``` <br> ```buy YYZ-CX-20170329-20170405-6630 1``` <br> ```buy LHR-CX-20170928-20171231-8000 1``` <br> ```buy FRA-AF-20170511-20170530-9000 1``` <br> ```buy SIN-CX-20180101-20180228-2500 1``` <br> ```buy SFO-UA-20170506-20180101-12300 1``` <br> ```buy SFO-AA-20170501-20170731-13000 1``` <br> ```buy FRA-CX-20170320-20170915-9500 1``` <br> ```buy FRA-AF-20170101-20171231-0 1``` <br> ```buy MUC-AF-20180308-20180514-13870 1``` <br> ```buy MUC-CX-20170922-20170930-17000 1``` <br> ```buy SIN-UA-20170430-20170506-1680 1``` <br> ```buy YVR-DL-20161201-20170530-10000 1``` <br> ```buy SEA-UA-20161030-20180101-13000 1``` <br> ```buy ICN-OZ-20170301-20170330-2330 1``` <br> ```buy JFK-CX-20161230-20180630-15000 1``` <br> ```buy SYD-QF-20170701-20170806-5950 1``` <br> ```buy SFO-CX-20170901-20171031-11000 1``` <br> ```buy SEA-DL-20170410-20170510-8500 1``` <br> ```buy SFO-AA-20170320-20170430-12000 1``` <br> ```buy SYD-CX-20170101-20171231-8000 1``` <br> ```buy SYD-QF-20170228-20170530-9000 1``` <br> ```buy HAN-CX-20170506-20170509-1000 1``` <br> ```buy IST-AF-20170331-20170630-9000 1``` <br> ```buy IST-CX-20170320-20170731-10000 1``` <br> ```buy ICN-CX-20170222-20170330-4000 1``` <br> ```buy KIX-CX-20170601-20170630-2290 1``` <br> ```buy YVR-DL-20170630-20170801-12000 1``` <br> ```buy YVR-AC-20160808-20170515-11000 1``` <br> ```buy YVR-AC-20170601-20170824-11500 1``` <br> ```buy LAX-UA-20180101-20180228-10000 1``` <br> ```buy LAX-AA-20170101-20190101-9000 1``` <br> ```buy MEL-CX-20160423-20170422-10000 1``` <br> ```buy MEL-CX-20170505-20170630-1500000 1``` <br> ```buy SGN-VN-20170830-20170930-2340 1``` <br> ```buy HAN-VN-20180101-20181231-2000 1``` <br> ```buy SEA-AA-20151010-20160229-11000 1``` <br> ```buy YVR-CX-20170323-20170501-12000 1``` <br> ```buy JFK-CI-20170930-20180530-22500 1``` <br> ```buy HFN-CX-20170109-20170929-9650 1``` <br> ```buy HFN-CX-20100101-20200930-10000 1``` <br> ```buy LHR-AF-20170331-20170930-7500 1``` <br> ```buy LHR-CX-20170228-20170927-7000 1``` <br> ```buy MUC-CX-20171001-20180430-14000 1``` <br> ```most``` <br> ```end``` | ```USA``` <br> ```#15``` <br> ```$163287``` |

| test case # | data files | input | most.txt |
|---|---|---|---|
| 3 | mainDB_2.csv, airportcode.txt | ```
buy SYD-CX-20170101-20171231-8000 20
buy LHR-AF-20170331-20170930-7500 5
buy HFN-CX-20170109-20170929-9650 10
end
buy MEL-CX-20160423-20170422-10000 10
buy SYD-QF-20170228-20170530-9000 5
buy MUC-CX-20170922-20170930-17000 29
buy HFN-CX-20170109-20170929-9650 20
buy MEL-CX-20170505-20170630-1500000 3
end
buy KIX-CX-20170601-20170630-2290 40
buy HFN-CX-20100101-20200930-10000 20
buy SYD-QF-20170228-20170530-9000 5
buy LHR-AF-20170331-20170930-7500 5
buy LHR-CX-20170228-20170927-7000 2
end
buy MUC-AF-20180308-20180514-13876 19
buy MUC-CX-20170922-20170930-17000 50
buy MUC-CX-20171001-20180430-14000 65
most
end
``` | ```
Germany
#163
$2264979
``` |
| 4 | mainDB_2.csv, airportcode.txt | ```
buy HAN-VN-20180101-20181231-2000 3
buy MEL-CX-20160423-20170422-10000 5
today 20170115
end
today 20170318
SIN-UA-20170430-20170506-1685 5
YVR-DL-20161201-20170530-10000 5
YVR-DL-20170630-20170801-12000 5
YVR-AC-20170601-20170824-11500 5
LHR-AF-20170331-20170930-7500 8
end
today 20170628
SFO-CX-20170601-20170831-10000 5
FRA-CX-20170320-20170915-9500 9
MUC-CX-20170922-20170930-17000 9
end
JFK-CI-20170930-20180530-22500 1
HFN-CX-20100101-20200930-10000 4
most
end
``` | ```
Australia
#5
$45000
``` |
| 5 | mainDB_big.csv, airportcode.txt | ```
buy SEA-CX-20170320-20170915-4250 30
today 20170915
buy OSA-CX-20180429-20180530-7000 20
today 20180101
buy TTT-BR-20180101-20180228-2180 40
today 20180530
buy HBE-MF-20180329-20180615-7500 10
today 20181228
buy GOV-MH-20180101-20181231-9660 1
today 20191111
buy DRW-CX-20100101-20200930-12590 2
most
end
``` | ```
Taiwan
#40
$78480
``` |

| test case # | data files | input | most.txt |
|---|---|---|---|
| 6 | mainDB_big.csv, airportcode.txt | ```
buy OKA-CX-20170630-20170831-4560 7
buy LNB-EK-20180329-20180615-7200 45
end
today 20170530
buy LAS-AA-20170830-20170930-5500 1
buy LAU-KQ-20170501-20170731-1500 29
today 20171111
buy SKP-VN-20180101-20180228-1500 43
end
buy HBE-MF-20180329-20180615-7500 30
buy WMA-SA-20180101-20180228-3540 43
today 20180325
buy BHK-EK-20180329-20180615-8430 39
buy ULU-SA-20180329-20180615-10000 42
today 20180808
end
buy DRW-CX-20100101-20200930-12590 20
most
end
``` | ```
Vanuatu
#45
$291600
``` |
| 7 | mainDB_2.csv, airportcode.txt | ```
search dest SIN
buy #2 50
most
end
``` | ```
Singapore
#50
$112500
``` |
| 8 | mainDB_2.csv, airportcode.txt | ```
search date 20170428
prefer airline AF
buy #1 50
most
end
``` | ```
Germany
#50
$0
``` |
| 9 | mainDB_2.csv, airportcode.txt | ```
search dest SFO
no airline UA
no airline AA
buy #2 10
end
search dest SFO
buy #5 1
most
end
``` | ```
USA
#11
$109800
``` |
| 10 | mainDB_big.csv, airportcode.txt | ```
search dest DRW
no airline OZ
no airline QF
no airline SQ
buy #1 8
end
search date 20170809
no airline CX
prefer airline SQ
buy #7 5
clear
search date 20180212
buy #30 2
most
end
``` | ```
Australia
#10
$113310
``` |
| 11 | mainDB_2.csv, airportcode.txt, CX2018summer.txt | ```
add promo CX2018summer.txt
buy IST-AF-20170331-20170630-9000 45
search dest OSA
buy #2 5
most
end
``` | ```
Turkey
#45
$364500
``` |

| test case # | data files | input | most.txt |
|---|---|---|---|
| 12 | mainDB_big.csv, airportcode.txt, CX2018summer.txt, CX20170601.txt | ```<br>buy GUM-CX-20180101-20180228-3680 32<br>add promo CX2018summer.txt<br>end<br>search date 20170829<br>buy #108 35<br>today 20170430<br>add promo CX20170601.txt<br>clear<br>search dest KIX<br>buy #3 20<br>most<br>end<br>``` | ```<br>Japan<br>#55<br>$347040<br>``` |