

1. Open the file `Date.java` and compile. (If you don't have it nearby, you can download a copy from Blackboard.

Write a program which uses an `ArrayList` to contain all the Irish Bank Holiday dates for 2021. The program should add the dates to the `ArrayList` and print out the number of `Dates` and the contents of the `ArrayList`. Sample output:

```
There are 9 bank holidays in 2021
1/1/2021
17/3/2021
...
```

2. Write a Class called `County` which has instance variables `name` and `population`. The constructor for this class should take input parameters for both instance variables. The class should include a `toString()` method.
3. Write a tester class which uses an `ArrayList` to store the last 5 counties to win the All Ireland Hurling championship. The program should print out the contents of the `ArrayList`.
4. Write a class called `Venue` which has instance variables `name`, `town` and `capacity`. The constructor for the class should take parameters for all three instance variables. The class should include a `toString()` method.
5. Write a program that uses an `ArrayList` to store the following 6 venues for a band's tour. The program should print out each of the venues in turn.

```
Croke Park, Dublin - Capacity 82000
Aviva Stadium, Dublin - Capacity 60000
3 Arena, Dublin - Capacity 13000
Point Theatre, Dublin - Capacity 8500
Mill Street, Cork - Capacity 8000
Olympia Theatre, Dublin - Capacity 1240
```

6. Modify this program so that the following happens:

- A new venue is inserted at position 2
- The venue at position 6 is replaced by another venue
- The venue at position 1 is removed
- A final list of venues is printed out
- The total number of venues is printed out
- The program prints out details of the first and last venue on the tour

Venues for our tour:

Croke Park, Dublin - Capacity 82000
Aviva Stadium, Dublin - Capacity 60000
3 Arena, Dublin - Capacity 13000
Point Theatre, Dublin - Capacity 8500
Mill Street, Cork - Capacity 8000
Olympia Theatre, Dublin - Capacity 1240

Final list of venues:

Croke Park, Dublin - Capacity 82000
The O2, Dublin - Capacity 20000
3 Arena, Dublin - Capacity 13000
Point Theatre, Dublin - Capacity 8500
Mill Street, Cork - Capacity 8000
The Balor Theatre, Ballybofey - Capacity 300

Number of venues: 6

First venue: Croke Park, Dublin - Capacity 82000

Last venue: The Balor Theatre, Ballybofey - Capacity 300