TWO DIMENSIONAL ARRAY APPLICATIONS: DATA ANALYSIS

Case One: Questionnaire Analysis

A potential political candidate wants to know the age break down of his supporters. He commissions a poll which asks the following questions.

- (1) Who will you vote for in the coming election?
 - 1. Sam Smoothe
 - 2. Gabby Gruff
 - 3. No Opinion
- (2) What age group are you in?
 - 1. Under 30
 - 2. Over 30

The candidate wants the results displayed in the following form

	Under 30	30 or over	Total
Sam Smoothe	10	20	30
Gabby Gruff	16	22	38
No Opinion	5	1	6
-			74

Case 2: Census Analysis

Over 65

A census is conducted to analyse, among other things, the age sex breakdown of the community. The questions asked had the following format.

1.	Less than 10	1. Male
2.	10-15	2. Female
3.	16-21	
4.	22-30	
5.	31-40	
6.	41-50	
7.	51-65	

The data read in should be of the format age, sex

1,2

8.

2,1

etc

Output should have the following form:	Age	Male	Female Total	
-	<10	1	2	3
	•	•	•	•
	•			
	>65	3	3	6
	Total	20	21	41