1.   The following code declares and initialises an array of four Strings:

```
String[] beatles = {"John", "Paul", "George", "Ringo"};

OR

String[] beatles = new String[]{"John", "Paul", "George", "Ringo"};
```

Write a program that uses an array to store the names of five students. Your program should then print out the names in reverse order.

2.   Write a program that allows the user to search an array of six lotto numbers for a particular value. The program should initialise the array with 6 numbers and then ask the user to enter the value they wish to find. The position of that value should then be displayed. If the value is not found an appropriate message should be displayed

3.   Write a program that reads in the noonday temperature for each day of the week and then displays the average temperature and the temperature of the hottest and coolest days.

4.   Write a program which uses an array to store the ages of 7 students. The program should ask the user to enter each age in turn. The program should then find and display the age of the youngest student, the oldest student, and the number of students aged 21.

5.   Write a program which uses an array to store the total rainfall (in millimetres) for each month in a year. Initialise the array with appropriate values (do not read in from the keyboard). The program should count and display the number of months in which the total rainfall was less than 60 mm, and the number of months in which the total rainfall exceeded 70 mm.

6.   Adapt this program so that it uses a second array to store the names of the months. The program should display a full list of all months and their total rainfall.