1.   Draw a diagram of an array which will store the names of each team in the Rugby 6 Nations tournament. Label the diagram with the following:

   - Base type
   - Elements
   - Subscript
   - Length

2.   Write pseudocode for a program that uses an array to work out the total and average of a set of numbers. The program should ask the user to choose how many numbers they want to store, before reading in each number in turn. The program should print out the numbers, with their total and average.

3.   Write the program for the pseudocode in the previous question.

4.   Write a program that will store the names of the five highest grossing movies of last year. The program should print out the names of each movie in reverse order.

5.   Write a program that will store the exam marks for a particular student. The program should begin by asking the student how many subjects they take before reading in the exam mark for each subject. The program should end by printing out each mark as well as a message telling them whether that mark was a pass or a fail. For example:

```
55 – Pass
76 – Pass
35 – Fail
41 – Pass
6 – Fail
```

6.   Adapt this program so that instead of telling the user whether they passed or failed a subject it tells them their grade for each of the marks.

Grade	Mark Range
A	85 - 100
B	70 - 84
C	55 - 69
D	40 - 54
E	25 - 39
F	0 - 24