

Software Design & Development: Revision Questions 1

Higher Computing Science – June Revision

1. A teacher requires a program to store details of his classes Higher exam results. Some example data is shown below.

Pupil Name	Cara Jones
Pupil House	Arran
Percentage	74.6
Grade	A

- (a) Declare a record structure to store the data shown above.
- (b) Write a line of code to declare an array of records to store the details of 25 pupils

2. A 1D array stores a list of 8 scores as shown below.

Index	0	1	2	3	4	5	6	7
Scores	16	12	19	20	17	8	13	19

- (a) Write an algorithm to identify and display the highest score in the list
- (b) Write an algorithm to identify and display the lowest score in the list
- (c) Write an algorithm to identify and display the number of scores over 15 in the list
- (d) Write an algorithm to identify and display the position of the value 20 in the list.