**SD1 Programming**

**Exercise Sheet 3**

1. Write a program that will accept as input the marks obtained by each of the students in a class of 10 students. The program should count and then display the percentage of students that obtained a first class honours mark. To achieve first class honours a mark of 70 or greater is required.
2. Adapt your answer for question 1 so that the program may be used with a class of any size. The program should accept as input the class size followed by the set of marks for the class.
3. Adapt your answer for question 1 so that the class size is not entered but a final mark of -1 is entered to terminate the list of marks.
4. Adapt your answer to question 4 to allow for the fact that no students may have sat the exam.
5. Write a program that will display all the numbers in the range 1 to 100 that are evenly divisible by 3 and by 8.
6. Write a program to display all the hour and minute values in a 24-hour clock from 00:00 to 23:59
7. Write a program to display the following pattern

x x x x x

x x x x x

x x x x x

x x x x x x x x x x x x x x x

x x x x x x x x x x x x x x x

x x x x x x x x x x x x x x x

x x x x x

x x x x x

x x x x x