CIT 3153 – CODING ASSIGNMENTS

Q1-Q2

Write a C++ program that takes a student's score (ranging between 0 and 100), computes, and displays the grade and remarks. Use the following grading scale.

Score	Grade	Remarks
0-29	E	Very Poor
30-39	D	Poor
40-49	D+	Below Average
50-59	C	Fair
60-69	C+	Above Average
70-79	B	Good
80-89	B+	Very Good
90-100	A	Excellent

Question 01: (Use if statement)

Question 02: (Use Switch statement)

Q3-Q5

Write a C++ program that outputs the following pattern.

```
@ @ @ @ @ @
@ @ @ @ @ @
@ @ @ @ @ @
@ @ @ @ @ @
@ @ @ @ @ @
```

Question 03 (Use for statements)

Question 04 (Use while statements)

Question 05 (Use do …while statements)

Question 06

Write a C++ program that takes any two integer numbers (between 2 and 9) as input; then using iteration statements, display all the multiples of either of the two numbers, and stop the iteration when a multiple of both of the numbers is reached. Eg. If the user enters number 3 and number 4, the output will be;
3 4 6 8 9 12 (Stop at 12 since it is a multiple of 3 and 4)

Question 07

Write a C++ program that takes any two integer numbers (between 2 and 9) as input; then using iteration statements, display all the multiples of either of the two numbers between 1 and 100, while skipping the multiple of both of the numbers. Eg. If the user enters number 3 and number 4, the output will be;
3 4 6 8 9 15 16 18 20 21 27 (Skip 12, 24,36 …. since these are multiples of both of 3 and 4)

Question 08

A dairy farmer stores weekly records of milk produced by each of his five cows. Using arrays, write a C++ with the following functions
  i.   Read the production (input) of all the five cows weekly
  ii.   Compute the average daily production per cow

Question 09

Write a function using a loop that takes two integer arguments m and n, then computes the value of m^n. ie. m raised to power n.

Question 10

Write a recursive function that takes two integer arguments m and n, then computes the value of m^n. ie. m raised to power n.