

Exercise 1: Practice to write while loops

Write C programs to

- i) Display numbers from 10 to 20.
- ii) Prompt the user to enter series of numbers from the keyboard and display the numbers. If user enters a negative number stop reading the numbers.
- iii) Modify the program written in ii) above display the sum and average of the positive numbers entered.

Exercise 2: Compare while and do while loop

What do the following two code segments will print for the cases $x = 1$ and $x = 10$?

i)	<pre>while (x > 1) { printf("%d", x); x--; }</pre>	ii)	<pre>do { printf("%d", x); x--; } while (x > 1);</pre>
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Exercise 3: Practice to use loops (Use while loop)

- i) Write a C program to enter 4 module marks of a student from the keyboard and display the total of all four module marks.
- ii) Modify the program written in i) above to enter 4 module marks of 3 students and display their total marks.
- iii) Display the student with the highest total mark.

Exercise 4: Practice to write nested loops

Write a C program using *for* loops to display the following pattern on the screen.

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