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| Programming Concepts  Worksheet 6b - More Decision Making |  |

1. Write a for() loop to display the numbers from 1 to 10.   
Write another for() loop to display the numbers from 10 down to 1.

2. Write a program to ask the user to enter two numbers, min and max. Use a for() loop to sum up all the numbers between min and max, and display the result on screen.

3. Write a program that reads a sequence of numbers at runtime and stops when either the user enters -1 or when the user has entered 10 numbers. The program should then display the total. Use a for() loop for this exercise.

4. Write a program that prompts the user to enter a set of words until ‘\*’ is pressed. The program should then output the number of words entered as follows:

**Enter a set of words. Press \* to stop.**

**Toni**

**Tana**

**Tani**

**Tuta**

**\***

**You entered 4 words**

5. Write a program to which displays a mobile menu and allows the user to choose an option. An appropriate message is displayed when each option is chosen. The program continues until the user decides to quit.

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| **Menu** | |
| **1** | **Phone Book** |
| **2** | **Messages** |
| **3** | **Games** |
| **4** | **Quit** |
| **Enter choice: 1**  **You chose Phone Book** | |

6. A hotel reservation program requires that the room number entered in the system be between 1 and 200. Write a program prompts the user to enter the room number. The program should check whether the room number entered is valid otherwise an error message is displayed and the user is allowed to re-enter the room number. The process continues until a valid room number is entered.

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| **Enter Room No: 345** |
| **Room number must be between 1 and 200**  **Enter Room No: 5 Room number is valid. Goodbye!** |