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| **Branch/Semester** | B.Tech CSE (AI & ML) / Semester I |
| **Subject Name:** | Computer Programming |
| **Subject Code:** | 01CE2101 |
| **Assignment:** | Practice Questions (Control Structures & Loops) |
| **Date:** | 21th August 2025 |
| **Faculty Name:** | Prof. Abhishek Chauhan |

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| **Sr.** | **Question** | **CO** | **BL** |
| **1** | Print numbers from 1 to 10 using a for loop. | CO2 | BL1 |
| **2** | Print first 10 even numbers using a while loop. | CO2 | BL1 |
| **3** | Print first 10 odd numbers using a do-while loop. | CO2 | BL1 |
| **4** | Print numbers from 10 to 1 (reverse order). | CO2 | BL2 |
| **5** | Print multiplication table of 5. | CO2 | BL2 |
| **6** | Find sum of numbers from 1 to 100. | CO2 | BL3 |
| **7** | Find sum of even numbers from 1 to 50. | CO2 | BL3 |
| **8** | Find sum of odd numbers from 1 to 50. | CO2 | BL3 |
| **9** | Find factorial of a given number. | CO2 | BL3 |
| **10** | Reverse a given number. | CO2 | BL4 |
| **11** | Count digits in a given number. | CO2 | BL4 |
| **12** | Print Fibonacci series up to 10 terms. | CO2 | BL4 |
| **13** | Check if a given number is palindrome. | CO2 | BL4 |
| **14** | Print all prime numbers between 1 and 50. | CO2 | BL5 |
| **15** | Print star pattern (nested loops).  \*  \*\*  \*\*\*  \*\*\*\*  \*\*\*\*\* | CO2 | BL6 |