

## **C Language**

### **Self Exercises**

### **Chapter - 6**

#### **Looping**

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## Self Exercises #6.3

**Q.1** Provide a scenario where you need to iterate through numbers from 1 to 10 and print each number.

**Q.2** Write a C program to calculate the sum of all even numbers between 1 and 100 using a loop.

**Q.3** Provide examples of real-world scenarios where loops are commonly used in C programming.

**Q.4** Define control statements in C programming. Explain the purpose of control statements in altering the flow of program execution.

**Q.5** What is the break statement in C, and how does it work? Provide an example of how the break statement can be used to exit a loop prematurely.

**Q.6** Explain the continue statement in C and its role in loop iteration. Provide an example demonstrating the use of the continue statement within a loop.

**Q.7** Discuss the goto statement in C and its usage. Explain potential drawbacks or pitfalls associated with using the goto statement in programming.

