

## **C Language**

### **Self Exercises**

### **Chapter - 6**

#### **Looping**

**RED & WHITE MULTIMEDIA EDUCATION**

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## Self Exercises #6.1

**Q.1** What is a loop in programming? Explain the purpose of using loops in programming. How do loops help in reducing redundancy in code?

**Q.2** List and briefly explain the three main types of loops commonly used in programming.

**Q.3** What is a while loop? Explain the syntax of a while loop in programming. Describe the general structure of a while loop, including its initialization, condition, and update statements.

**Q.4** Define an infinite loop. How can it occur in a while loop? Discuss the potential risks and consequences of unintentional infinite loops in programming.

**Q.5** Provide examples of real-world scenarios where while loops are commonly used in programming.

