**1. What is the primary purpose of a loop in C#?**

a) To execute a statement only once  
b) To repeat a statement or a block of statements multiple times  
c) To terminate a program immediately  
d) To take user input

**Answer:** b) To repeat a statement or a block of statements multiple times

**2. What type of loop in C# always executes at least once?**

a) for loop  
b) while loop  
c) do...while loop  
d) foreach loop

**Answer:** c) do...while loop

**3. Which loop in C# does NOT necessarily execute its body even once?**

a) while loop  
b) do...while loop  
c) for loop  
d) infinite loop

**Answer:** a) while loop

**4. Which of the following statements is used to terminate a loop in C#?**

a) continue  
b) exit  
c) stop  
d) break

**Answer:** d) break

**5. In a for loop, which of the following is optional?**

a) Initialization  
b) Condition  
c) Increment/Decrement  
d) All of the above

**Answer:** d) All of the above

**6. What will happen if the loop condition never becomes false in a while loop?**

a) The loop will run infinitely  
b) The loop will terminate immediately  
c) The program will crash  
d) The compiler will throw an error

**Answer:** a) The loop will run infinitely

**7. What keyword is used in C# to skip the current iteration and continue to the next one?**

a) break  
b) continue  
c) skip  
d) next

**Answer:** b) continue

**8. What is the output of the following code snippet?**

int i = 1;

while (i < 5)

{

Console.WriteLine(i);

i++;

}

a) 1 2 3 4  
b) 1 2 3 4 5  
c) 2 3 4 5  
d) 0 1 2 3 4

**Answer:** a) 1 2 3 4

**9. What is the main advantage of a for loop over a while loop?**

a) A for loop is always faster  
b) A for loop allows initialization, condition, and increment in a single line  
c) A for loop can only be used for numerical operations  
d) A for loop requires fewer brackets

**Answer:** b) A for loop allows initialization, condition, and increment in a single line

**10. How can an infinite loop be created using a for loop?**

a) for ( ; ; ) { }  
b) for (int i = 0; i < 10; i--) { }  
c) while (true) { }  
d) Both a and c

**Answer:** d) Both a and c