**1. What is the correct syntax for defining a variable in C#?**

A) var variable\_name;  
B) <data\_type> <variable\_list>;  
C) define variable\_name type;  
D) variable <data\_type> = value;

**Answer:** B) <data\_type> <variable\_list>;

**2. What is the default value of an uninitialized integer variable in C#?**

A) null  
B) 0  
C) undefined  
D) Depends on the compiler

**Answer:** B) 0

**3. How do you initialize a variable in C# at the time of declaration?**

A) <data\_type> <variable\_name> = value;  
B) int variable\_name(value);  
C) define variable\_name = value;  
D) var <data\_type> = value;

**Answer:** A) <data\_type> <variable\_name> = value;

**4. Which of the following is NOT a valid variable definition in C#?**

A) int a, b, c;  
B) double d = 3.14;  
C) float salary;  
D) char x = "x";

**Answer:** D) char x = "x"; (Incorrect quotation marks; should be 'x')

**5. What does the Console.ReadLine() method return in C#?**

A) int  
B) string  
C) char  
D) object

**Answer:** B) string

**6. What is an lvalue in C#?**

A) A variable that can appear only on the right-hand side of an assignment  
B) A variable that can appear only on the left-hand side of an assignment  
C) A variable that can appear on both sides of an assignment  
D) A numeric literal

**Answer:** C) A variable that can appear on both sides of an assignment

**7. What is an rvalue in C#?**

A) A variable that can appear on both sides of an assignment  
B) A variable that can only appear on the left side of an assignment  
C) A value that can only appear on the right side of an assignment  
D) A function

**Answer:** C) A value that can only appear on the right side of an assignment

**8. What will happen if you try to assign an rvalue to another rvalue?**

A) It will execute successfully  
B) It will result in a compile-time error  
C) It will produce an incorrect output  
D) It will be converted to an lvalue automatically

**Answer:** B) It will result in a compile-time error

**9. How can you convert a string input to an integer in C#?**

A) int.Parse(Console.ReadLine());  
B) Convert.ToInt32(Console.ReadLine());  
C) Both A and B  
D) You cannot convert a string to an integer in C#

**Answer:** C) Both A and B

**10. What happens if a variable is used without initialization in C#?**

A) It throws a compile-time error  
B) It assigns a default value  
C) It prints null  
D) It executes successfully but may produce incorrect results

**Answer:** A) It throws a compile-time error