

# Ms. Terkper's Digital Classroom

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Home

Math

Science

Computer Science

M.Ed-Courses

## Basics of C# 2: Variables and Data Types

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**Basics of C#** This module introduces **variables and data types** in C#. Learn how to declare variables, assign values, and understand different data types.

### What are Variables?

In C#, variables are **storage locations** that hold data. You declare a variable with a specific **data type**.

```
int myNumber = 10;  
string myName = "Hannah";  
bool isTeacher = true;  
double pi = 3.14;
```

### Questions

1. What is the correct way to declare an integer variable in C#?

- ☒ A. int number = 10;
- ☐ B. var number = 10;
- ☐ C. integer number = 10;
- ☐ D. number = 10;

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 **Correct! Well done!**

2. Which data type should be used for a floating-point number?

- ☐ A. int
- ☒ B. double
- ☐ C. bool
- ☐ D. string

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✓ **Correct! Well done!**

3. What is the purpose of a variable in C#?

- ☒ A. To store values in a program
- ☐ B. To display text on the screen
- ☐ C. To create graphics
- ☐ D. To close the program

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4. Which data type is used to store whole numbers in C#?

- ☐ A. float
- ☐ B. string
- ☒ C. int
- ☐ D. bool

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5. What will be the output of the following code?

```
int age = 15;  
Console.WriteLine(age);
```

- ☒ A. 15
- ☐ B. "age"
- ☐ C. Nothing, there is an error
- ☐ D. The program will crash

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 **Correct! Well done!**

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