Ms. Terkper's Digital Classroom

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Basics of C# 2: Variables and Data Types

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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✅ **Correct! Well done!**

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

○ A. float
○ B. string
◉ C. int
○ D. bool

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✅ **Correct! Well done!**

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!**