Ms. Terkper's Digital Classroom

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;

  Submit

✅ **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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✅ **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!**