What is a variable in Python?

- Named Container: Think of a variable as a labeled box that can store a value.
- Storing Data: Variables hold different types of information, like numbers, text, or more complex data structures.
- Changing Values: The value stored in a variable can be changed throughout your program.

Key Points for Exam Notes

- How to Create a Variable:

```
my_age = 12         # Stores the number 12
name = "Khushi"      # Stores the text "Khushi"
```

- Rules for Naming:
  - Must start with a letter or underscore.
  - Can contain letters, numbers, and underscores.
  - Case-sensitive (age and Age are different).

- Data Types: Variables automatically determine their data type based on the value assigned:
  - Numbers (int, float)
  - Text (string)
  - True/False (boolean)
  - Lists, dictionaries, etc.

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