

## Lecture 10

# Snobol Fundamentals

**Mr. Mubashir Ali**

**Lecturer (Dept. of Computer Science)**

[dr.mubashirali1@gmail.com](mailto:dr.mubashirali1@gmail.com)

# Summary of Previous Lecture

- 1. Ada**
- 2. Smalltalk**
- 3. C++**
- 4. Java**
- 5. C#**
- 6. Scripting Language for Web**
- 7. Programming Language Evolution**
- 8. Software Engineering**

# Outline

- 1. What is Snobol**
- 2. Snobol Applications**
- 3. Data Types**
- 4. Operators**
- 5. Variables**

# SNOBOL

- StriNg Oriented SymBolic Language
- Special purpose language for string manipulation and handling
- Invented in 1962 at the Bell Labs
- Farber, Griswold, and Polensky
- It was created out of the frustrations of working with the languages of the that time because they required the developers to write large programs to do a single operation

# Application

- It was used to do most of the work in designing new software and interpreting different language grammars
- Toward the end of the eighties, newer languages were created which could also be used for string manipulation
- They include the PERL and AWK languages. Unlike SNOBOL, Perl and Awk use regular expressions to perform the string operations
- Today, roughly forty years after its release, the language is rarely used!

# Simple Data Types

<http://www.snobol4.org/docs/burks/tutorial/ch1.htm>

# Operators

<http://www.snobol4.org/docs/burks/tutorial/ch1.htm>

# Variables

<http://www.snobol4.org/docs/burks/tutorial/ch1.htm>



# Exercise

- *Write a Snobol program that performs all arithmetic operations on two variables.*

# Summary

- ✓ **What is Snobol**
- ✓ **Snobol Applications**
- ✓ **Data Types**
- ✓ **Operators**
- ✓ **Variables**