

Data-types & Variables

- A *Variable* is a **named** storage location (memory location), that stores a **value** of a particular **data type**

```
data_type variable_name;
```

- Multiple variables of the same data type may be declared in the same statement where names are separate by commas

```
int numberOne, numberTwo, numberThree;
```

Data Types

- Basic (Primitive/Primary Data Type)
- Derived Data Types
- User-defined Data Types

Constants

- Using **#define** preprocessor

#define varA 5

- Using **const** keyword

const varA = 5;

Scanf function

- scanf() is a built in C function used to perform input operations such as displaying data on the screen
- scanf() is imported using the <stdio.h> header, which stands for standard(std) input(i) output(o)

```
scanf("%d", &varA);
```

Operation: Assigns value inputted by user to variable **varA**