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Computer System and Programming in 'C'
CS-101/201

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Components of C Language

1. The Character Set

Any alphabet, digit or special symbol, used to represent information is denoted by character.

The character in C are grouped into four categories:
- Letter
- Digits
- Special Symbols
- White Spaces

2. The Data Types

- Character
- Integer
- Floating Point

3. Constants

Two Types
- Primary Constants
  - Integer, Real, Character

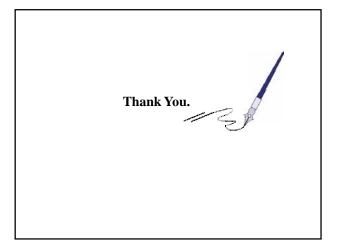- Secondary Constants
  - Array, Structure, Union, Pointer etc.
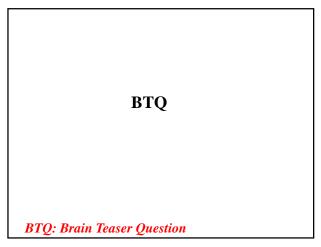
4. Variables

- A variable is an entity whose value can change during program execution.

- Variable names are names given to location in memory.

- These memory locations can contain integer, real or character values.

- Rules for constructing variable names?

5. Keywords

- Keywords are the words whose meaning has already been explained to the C compiler.

- The keywords cannot be used as variable names because if we do so we are trying to assign a new meaning to the keyword, which is not allowed by the compiler.

- A.K.A. Reserved words.

• 32 Keywords in C Language

auto	case	const	default
double	enum	float	goto
int	register	short	sizeof
struct	typedef	unsigned	volatile
break	char	continue	do
else	extern	for	if
long	return	signed	static
switch	union	void	while

Thank You.

BTQ

BTQ: Brain Teaser Question

A plane crashed on the border of US and Canada. Where do they bury the survivors?

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