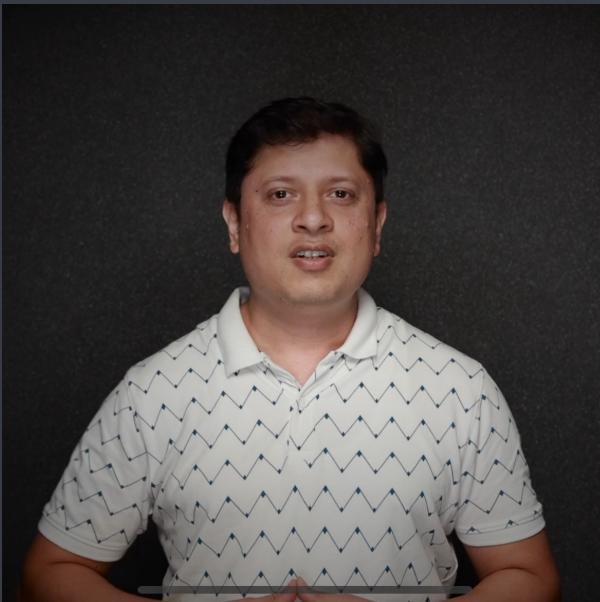


# C Language

## History of C



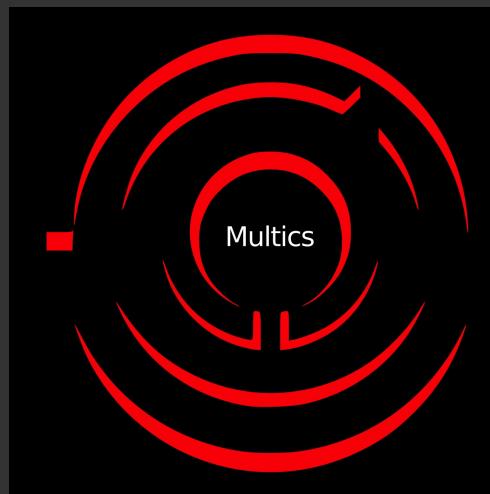
Saurabh Shukla (MySirG)

# Agenda

- ① MULTICS
- ② Evolution of c language
- ③ Version History

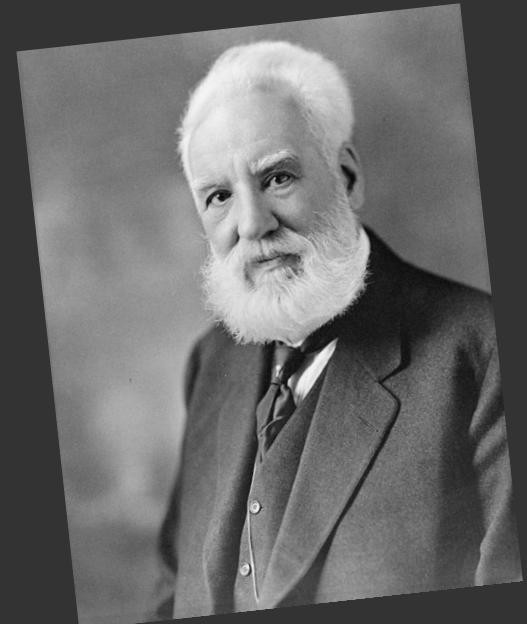
# MULTICS

- Multiplexed Information and Computing Service
- It is an operating system
- Planning and development started in 1964
- Initially it was a cooperative project led by MIT along with GE and Bell Labs.
- It was developed on the GE 645 computer



## AT & T's Bell Labs

- American Telephone & Telegraph
- Alexander Graham Bell
- AT&T was founded in 1885
- 9 Nobel Prizes have been awarded for work completed at Bell Labs.
- Languages Developed at Bell Labs — B, C, C++, S, SNOBOL, AWK, AMPL
- It was acquired by NOKIA in 2016

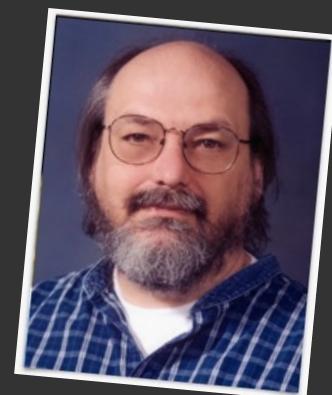


## Bell labs pulled out of MULTICS

- Bell labs pulled out of the project in 1969.
- Ken Thompson & Dennis Ritchie were their on MULTICS project from AT&T
- Ken Thompson decided to build his own Operating System
- BCPL - Basic Combined Programming Language
- Ken Thompson derived a new language from BCPL, known as B Language

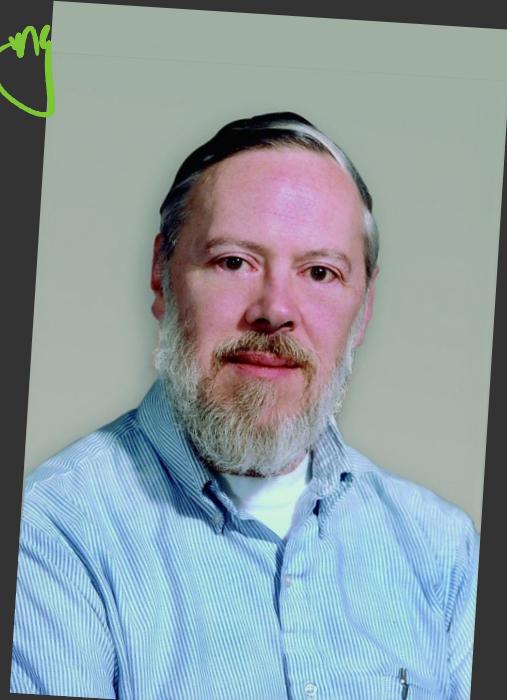
↳ 1966 Martin Richards

↓  
1969



## Evolution of C Language

In 1972, Dennis Ritchie developed the compiled programming language C as a replacement for the interpreted language B.



Unix operating system was written in B language first and then re-written in C language. C has consistently ranked among the top two languages in TIOBE index. (A measure of the popularity of prog. lang.)

# Version History of C

- K & R - 1978     $x=-5 \rightarrow x=5$
- ANSI C - 1983
- C89 - 1989
- C90 - 1990
- C95 - 1995
- C99 - 1999    Single line comment, variable length arrays
- C11 - 2011    ~~gets()~~ fgets()
- C17 - 2018    Only bug fixes