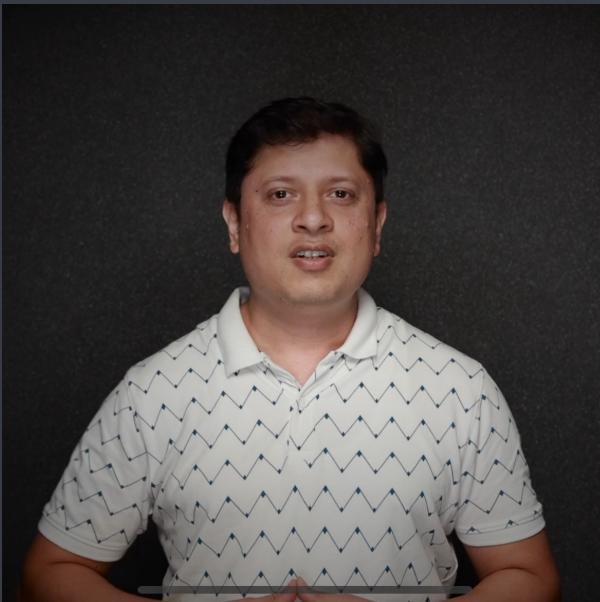


# C Language

## History of C



Saurabh Shukla (MySirG)

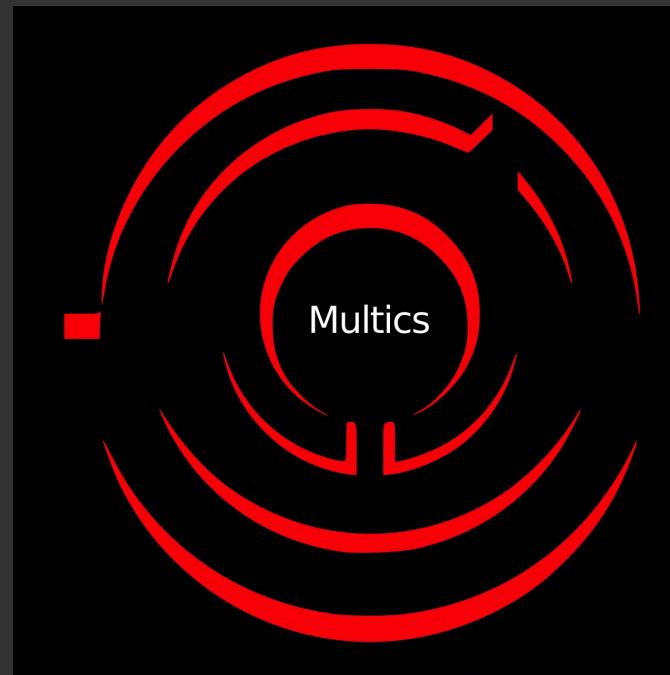
# Agenda

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

# MULTICS

- Multiplexed Information and Computing Services
- It is an operating system
- Planning and development started in 1964

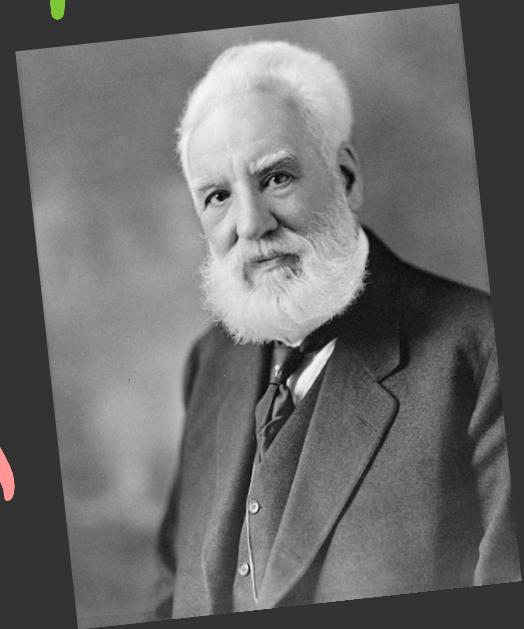
Initially it was a cooperative project led by MIT along with GE and Bell labs



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

1969

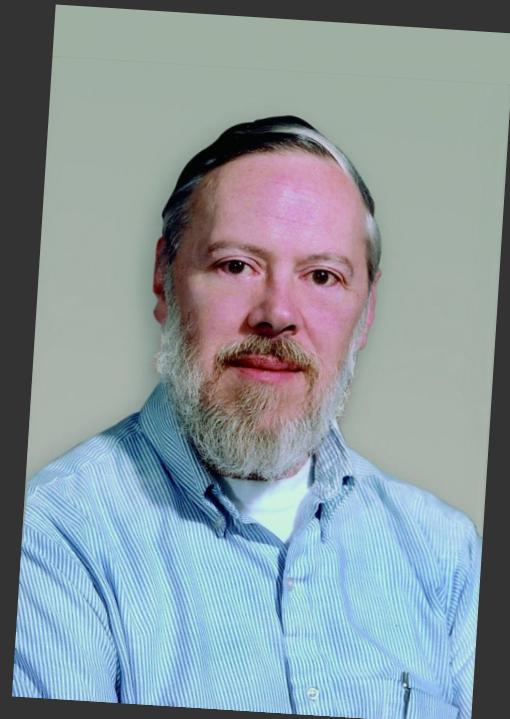


1966 MARTIN RICHARDS

# 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



# 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
- C23 - 2024