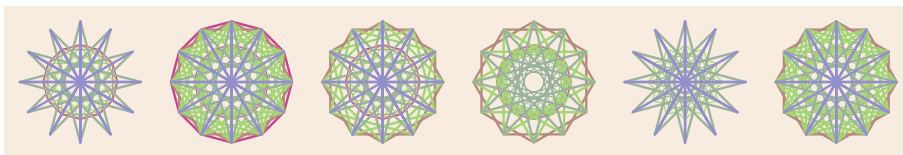


Exercise 1 for Students of Computer Science

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1 Exercises

1. Construct a timeline of the history of computing. Associate with each point the name of one of the people listed in Figure 1 together with an achievement of that person. An achievement could be the publication of an influential article or book, an invention or discovery, the creation of a company or product, an award, a prediction, or an appointment to an important office.

You do not each have to refer to every person in this list on your timeline—let's divide the work among everyone in the class.

Find the information that you need on the Internet.

2. Define the terms listed in Figure 2. Short statements will suffice in some cases. In other cases, you might find a story about the origin of the term to add to the definition.

You do not each have to define every term in this list—let's divide the work among everyone in the class.

Find the information that you need on the Internet.

Hal Abelson	Marc Andreessen	Isaac Asimov
John Atanasoff	Charles Babbage	John Backus
Steve Balmer	Gordon Bell	Leo Beranek
Fred Brooks, Jr.	Vannevar Bush	Vint Cerf
Edgar F. (Ted) Codd	Stephen Cook	Seymour Cray
Peter J. Denning	Edsger Dijkstra	John Doerr
J. Presper Eckert	Richard Feynman	Carly Fiorina
Bill Gates	Adele Goldberg	Herman Goldstine
Shafi Goldwasser	James Gosling	Andy Grove
Richard Hamming	John Hennessy	Danny Hillis
C.A.R. (Tony) Hoare	Herman Hollerith	Grace Murray Hopper
Steve Jobs	Bob Kahn	Richard Karp
Gary Kasparov	John Kemeny	Vinod Khosla
Jack Kilby	Donald E. Knuth	Ray Kurzweil
John Lasseter	Gottfried Wilhelm Leibniz	J.C.R. Licklider
Barbara Liskov	Ada Lovelace	John Mauchly
Marissa Mayer	John McCarthy	Marvin Minsky
Gordon Moore	Peter Naur	Robert Noyce
Ken Olsen	David Patterson	Radia Perlman
Eric Raymond	Ginni Rometty	Ken Sakamura
Claude Shannon	William Shockley	Balaji Srinivasan
Richard Stallman	Cliff Stoll	Bjarne Stroustrup
Ivan Sutherland	Andy Tanenbaum	Linus Torvalds
Alan Turing	John von Neumann	Thomas Watson, Jr.
Meg Whitman	Norbert Wiener	Maurice Wilkes
Jeanette Wing	Niklaus Wirth	Steve Wozniak
Konrad Zuse		

Figure 1: People

ALGOL	ALU	ASCII	BASIC	bit
byte	CAD	CAE	CFG	CISC
CMOS	COBOL	CPU	CP/M	CSS
DBMS	DEC	DOS	ECL	ENIAC
FORTTRAN	FTP	GaAs	GNU	GPL
GUI	HAL 9000	HDL	HTML	i18n
IBM	IC	ICAAAN	JAR	JPEG
JSON	Jupyter	LAMP	Lisp	MANIAC
MIME	MIPS	MP3	NFS	NoSQL
NP	OOP	PCB	PDP-11	PKE
PL/I	PNG	Python	RAID	RAM
RISC	ROM	RSA	SMTP	SPARC
SUN	SQL	TCP/IP	TLD	TTL
UNIVAC	URL	VAX	VLSI	VME
VMS	WNT	WYSIWYG	XML	

Figure 2: Acronyms, initialisms, invented words, and portmanteaus.