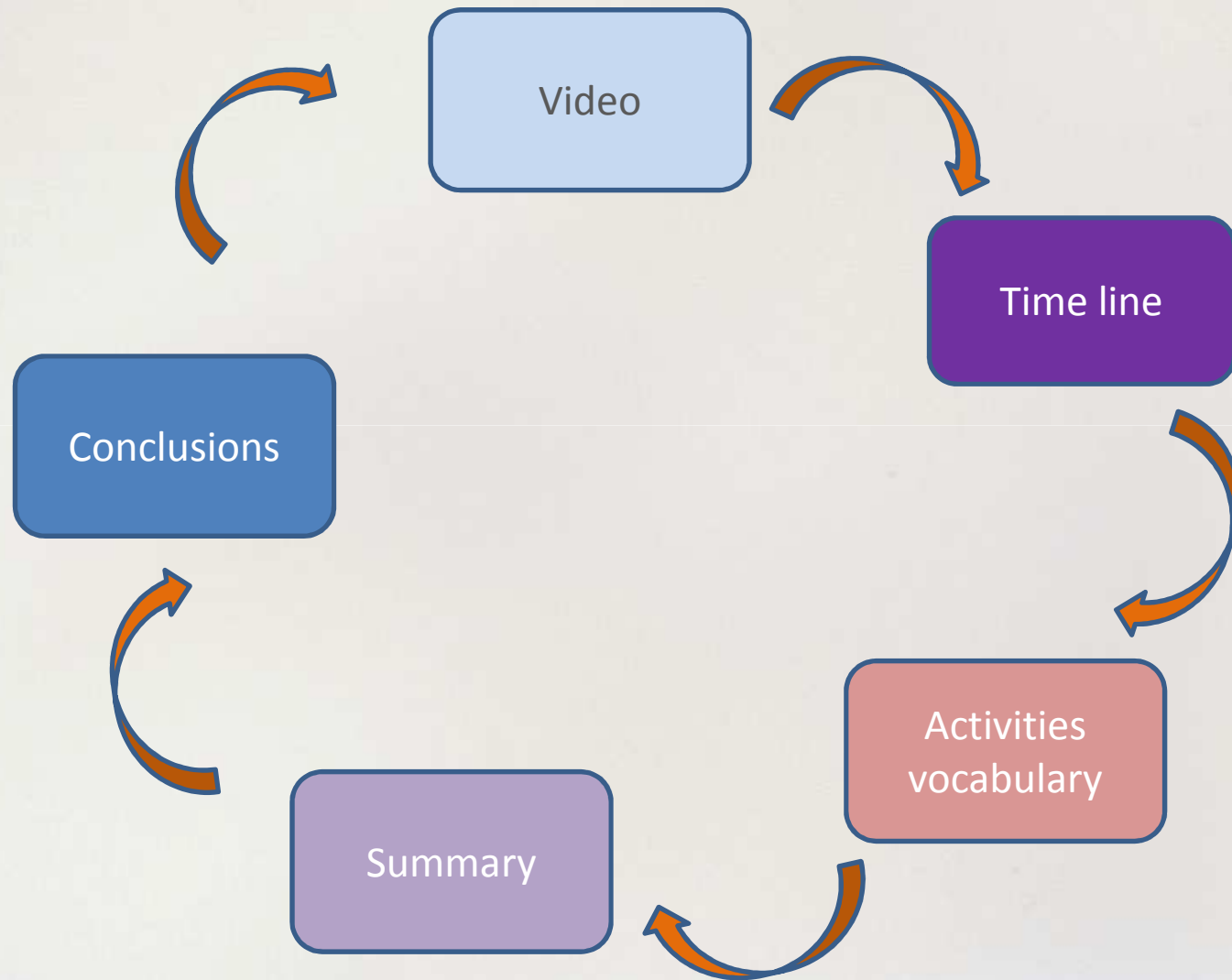


History of Computing

M^a del Carmen de Castro Cabrera

History of Computing



PRE-TASK

**WATCHING THE VIDEO: “The Creation of the Computer
- Modern Marvels - History Channel Documentary”**

[http://www.youtube.com/watch?v=-LD7-w_w43k]

PRE-HISTORY (I)



PRE-HISTORY (I)

ABACUS (2.400 B.C., Babilonia)



PASCALINE (Blaise Pascal, 1642)

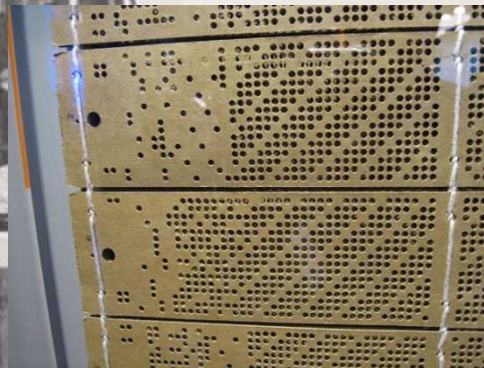


ANALITICAL
ENGINE
(Charles
Babbage,
1822)



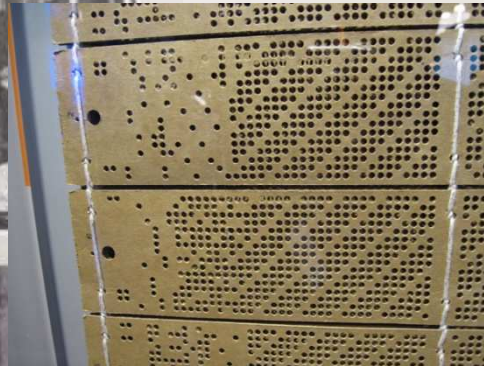
The world's first computer programmer(Ada
Augusta Byron King ,1815-1852)

PRE-HISTORY (II)

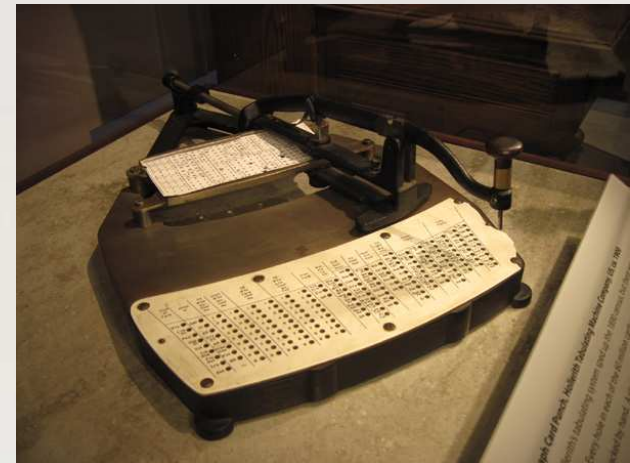


PRE-HISTORY (II)

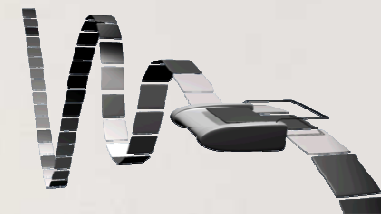
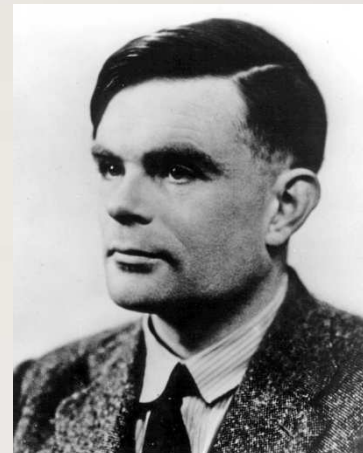
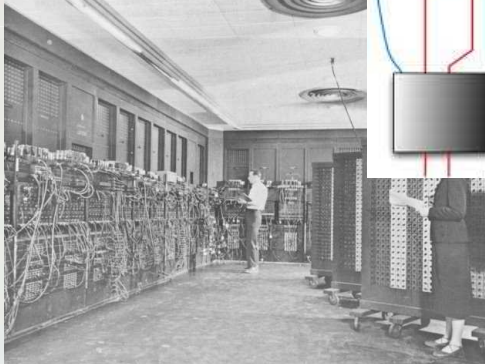
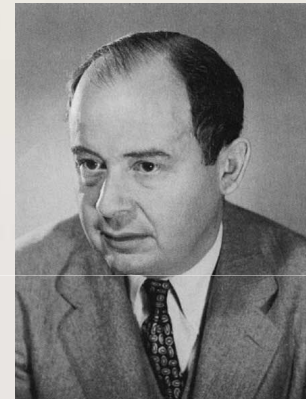
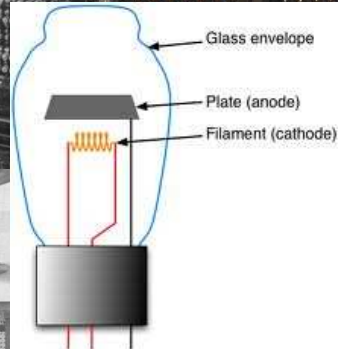
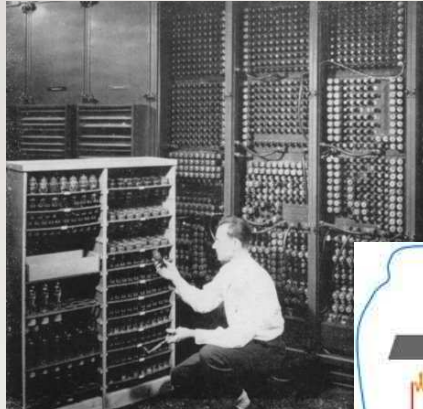
TEXTILE LOOM (J. Jacquard, 1801)



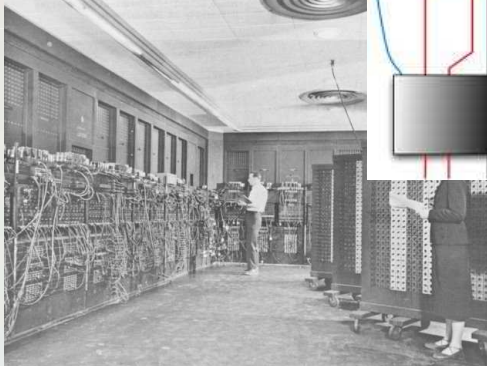
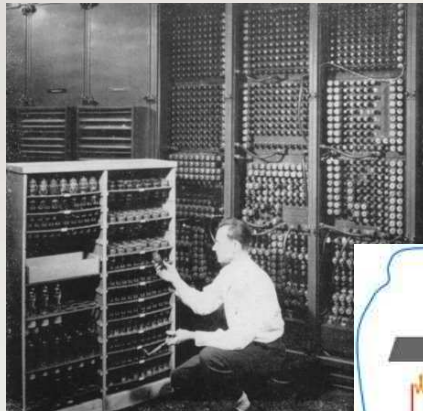
ELECTRIC TABULATING MACHINE (Hollerith, 1890)



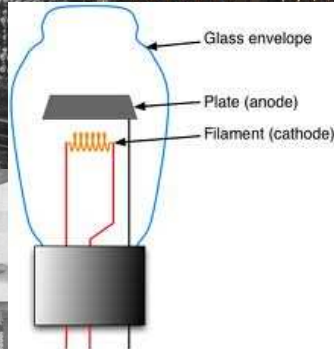
HISTORY (FIRST GENERATION, 1946-54)



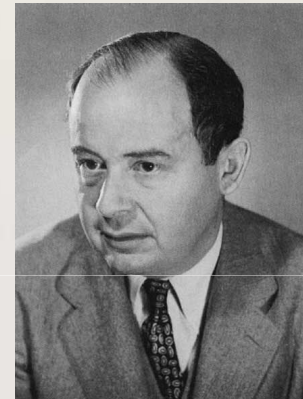
HISTORY (FIRST GENERATION, 1946-54)



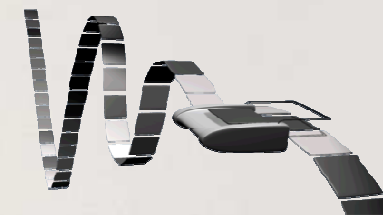
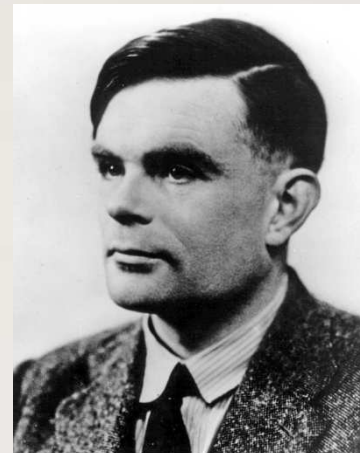
ENIAC (John Mauchly and J. P. Eckert, 1945)



John von Neumann
(First Draft of a Report
on the EDVAC, 1945)

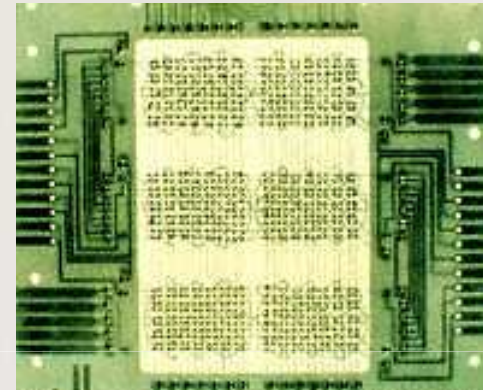


EDSAC (Wilkes, 1949)

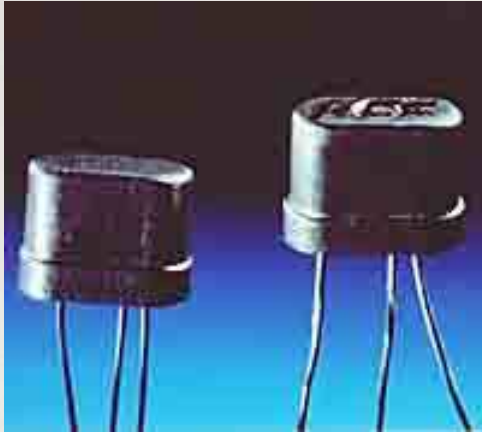


Alan Turing, "On Computable
Numbers," 1936. UTM
(Universal Turing Machine)

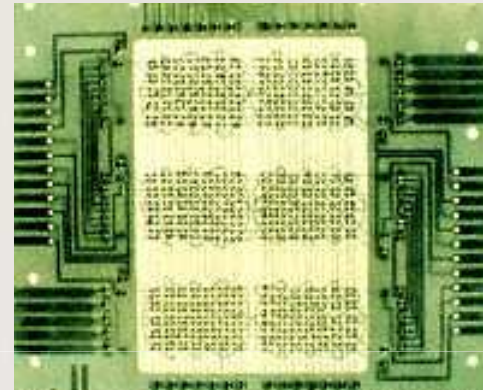
HISTORY (SECOND GENERATION, 1955-63)



HISTORY (SECOND GENERATION, 1955-63)



TRANSISTOR(silicon junction, 1954)

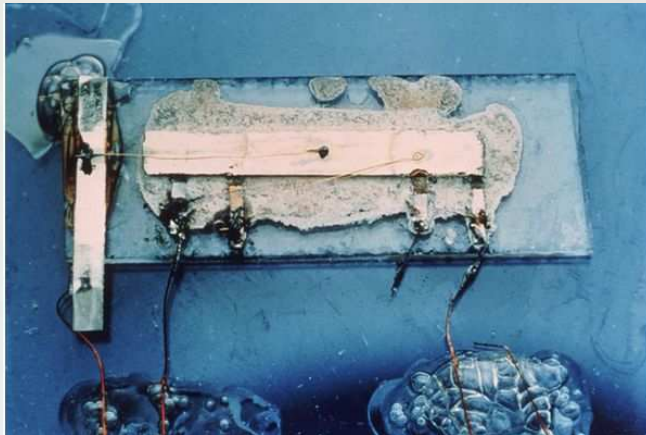
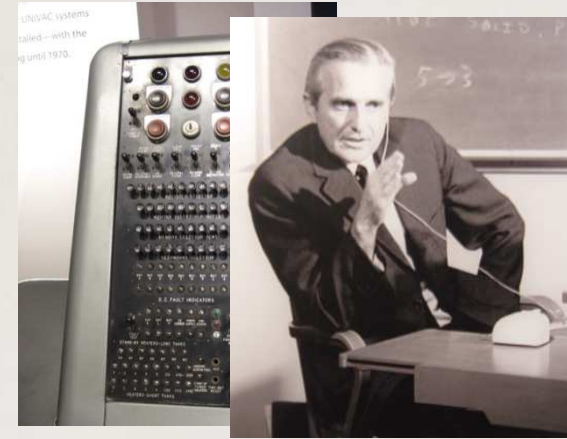


MAGNETIC MEMORY CORE (Jay Forrester ,1953)



IBM 1401 (1961)

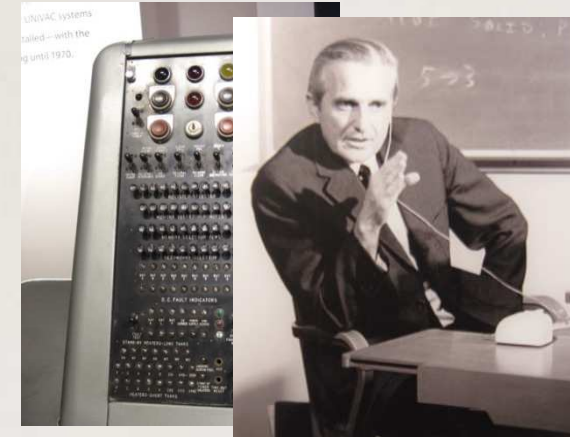
HISTORY (THIRD GENERATION, 1964-70)



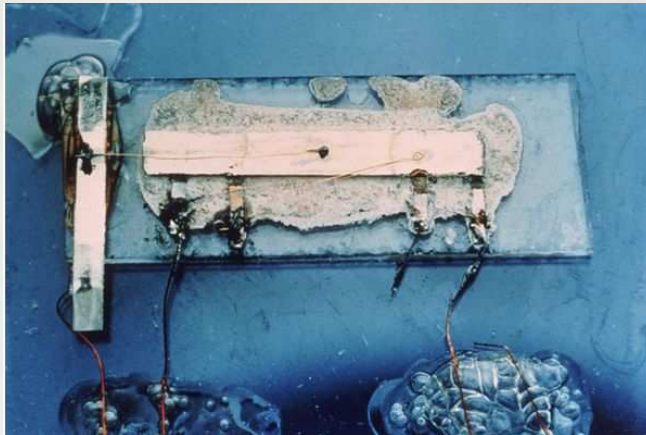
HISTORY (THIRD GENERATION, 1964-70)



IBM 360 (1964)



Douglas Engelbart, computer mouse (1964)

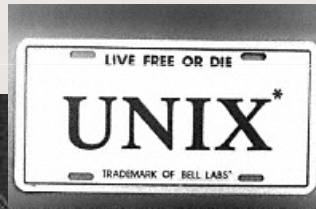


Jack Kilby & Robert Noyce
The Integrated Circuit (1958)



Grace Hopper
completes the
A-0 Compiler
(1952). UNIVAC
(1957)

HISTORY (FOURTH GENERATION, 1971-) (I)



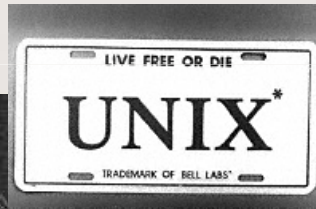
HISTORY (FOURTH GENERATION, 1971-) (I)



The Apple II released in (1977).



Ken Thompson & Dennis Ritchie, Unix & C programming language(1969).

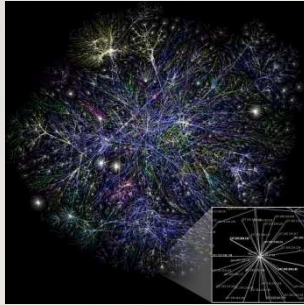


Faggin, Hoff , Shima& Mazor
Intel 4004 Computer Microprocessor
(1971)



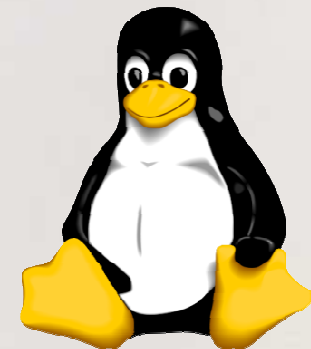
The IBM PC - Home Computer (1981)

HISTORY (FOURTH GENERATION, 1971-) (II)

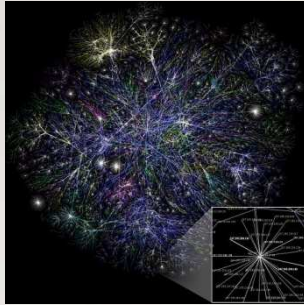


ALDR	CON	4896	8-23-83	1:15a
CONVAD	CON	2688	1-01-88	1:01a
FOUNT	CON	1824	8-23-83	1:02a
BBV	EXE	6816	8-22-83	3:05p
DEMAC	CON	1728	8-22-83	3:08p
CHESS	CON	8328	8-22-83	3:03p
PILCON	CON	2432	8-22-83	3:06p
KLIN	EXE	41856	8-22-83	3:13p
EXECOR	EXE	1280	8-22-83	3:07p
MAH	EXE	78784	8-22-83	3:21p
SVL	CON	680	8-22-83	3:23p
YUMET	OBJ	4224	8-22-83	3:25p
COLE	EXE	13824	8-22-83	3:40p
LID	EXE	32128	9-28-83	2:18p
TRCPT	EXE	1928	9-28-83	2:19p
WCTM	CON	9688	9-28-83	2:20p
WCTM	OBJ	132	1-01-88	1:04a

17 Files(s)



HISTORY (FOURTH GENERATION, 1971-) (II)



The **Internet**, originally the ARPAnet (Advanced Research Projects Agency network), 1969.



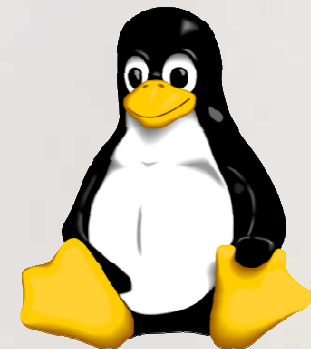
1990 - Tim Berners-Lee invented the networked hypertext system called the World Wide Web.



MS-DOS, the basic software for the newly released IBM PC (1981)



In 1983, Richard Stallman launched the GNU Project



Linux kernel, an operating system kernel first released in 1991 by Linus Torvald.

Activity

True or False. Why?

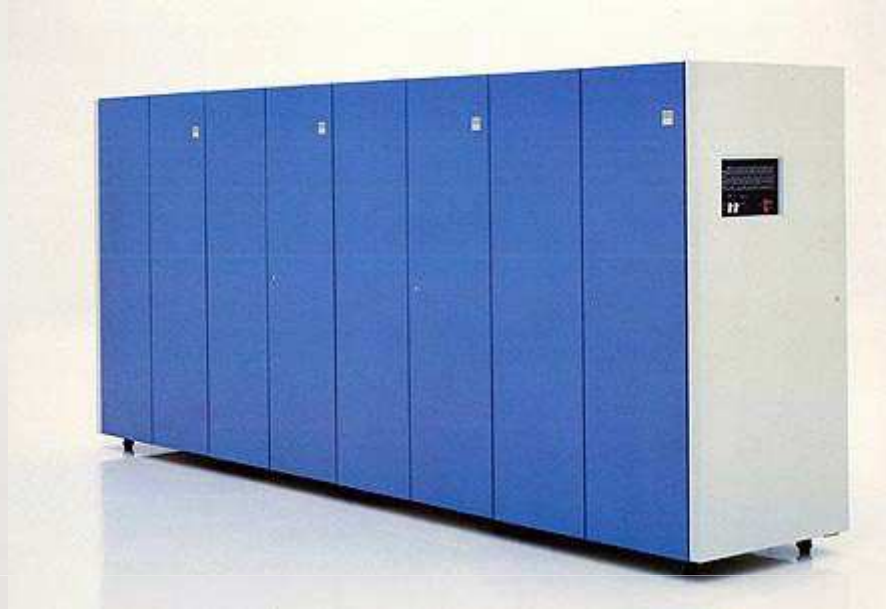
1. Jacquard loom cards, invented by Hollerith in 1801 .
2. Grace Hopper created a compiler system that translated mathematical code into machine language (1957).
3. Alan Turing, the mathematician who conceived the Universal Turing Machine
4. Richard Stallman designed the first computer mouse.
5. Computer microprocessor was invented in the First Generation.
6. Main component during Second Generation was the transistor.

Activity

True or False. Why?

1. Jacquard loom cards, invented by Hollerith in 1801 . False
2. Grace Hopper created a compiler system that translated mathematical code into machine language (1957). True
3. Alan Turing, the mathematician who conceived the Universal Turing Machine. True
4. Richard Stallman designed the first computer mouse. False
5. Computer microprocessor was invented in the First Generation. False
6. Main component during Second Generation was the transistor. True

ACTIVITIES



- **1.- Word Search.**
- 2.- Say some highly important people in the history of computing.**
- 3.- Some milestones for each generation.**

SUMMARY

REMEMBER PEOPLE AND MILESTONES

- PRE-HISTORY
- FIRST GENERATION
- SECOND GENERATION
- THIRD GENERATION
- FOURTH GENERATION