

THE FUTURE TRACK

COMPUTER EDUCATION

SOFTWARE



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Data

A collection of character that is called data.



Software

A collection of program that is called software.



There are two types of software

1. **System software** = This is used to start , operate maintain the all computer parts.

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There are three major of system software

1. Operating system
2. Language processor
3. Utility software

Operating system

This is used to interface between hardware and software. This is used to start operate and maintain the all computer parts.



There are three types of operating system

A. Single user

Some famous single user OS.

Windows 95, windows XP, XP2, XP3, solar, vista, windows 7, windows 8, windows 8.1, windows 10, windows 11

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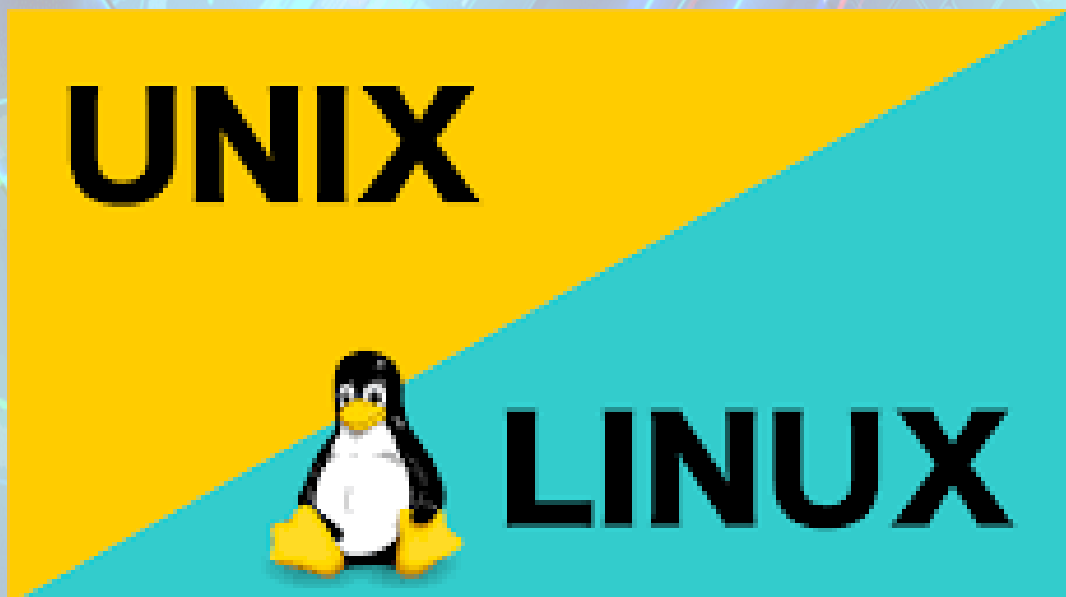
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B. Multi user

Linux, unix



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C. Server OS

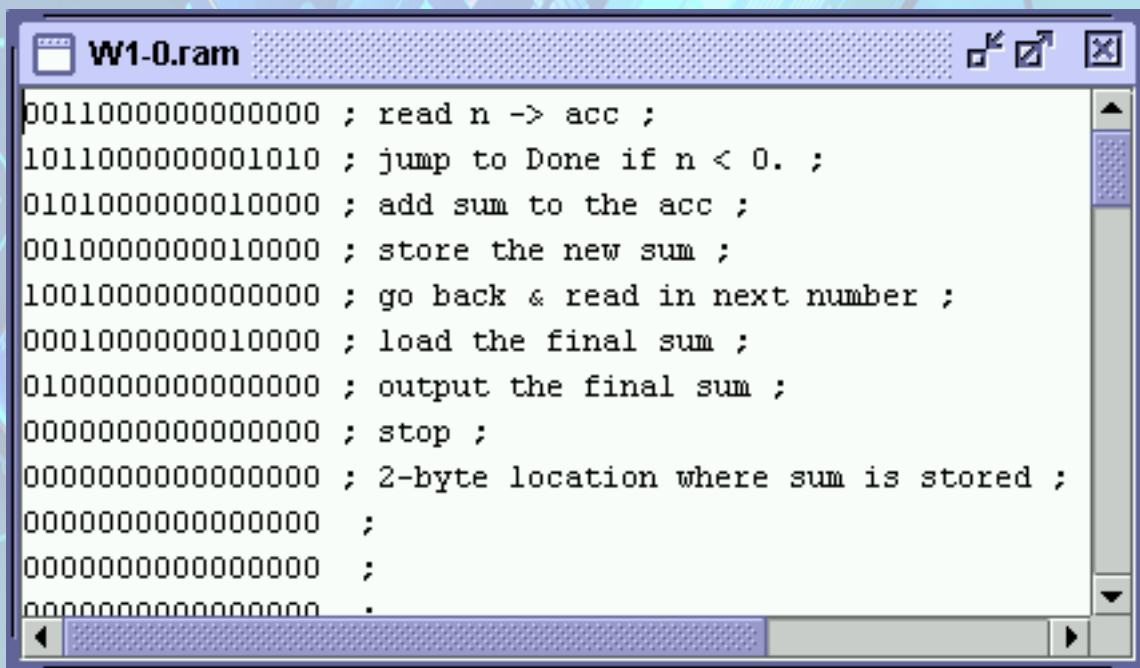
Windows 2000, windows 2008, windows 2012, windows 2016, windows 2019

Language

There are two types of language

- A. Machine language
- B. Assembly language

Machine language is also called binary digit 0.1

A screenshot of a RAM editor window titled 'W1-0.ram'. The window displays a list of memory addresses and their corresponding assembly instructions. The instructions include: 'read n -> acc;', 'jump to Done if n < 0.;', 'add sum to the acc;', 'store the new sum;', 'go back & read in next number;', 'load the final sum;', 'output the final sum;', and 'stop;'. There are also several lines of memory addresses with no instructions, representing a 2-byte location where the sum is stored.

```
W1-0.ram
0011000000000000 ; read n -> acc ;
1011000000001010 ; jump to Done if n < 0. ;
01010000000010000 ; add sum to the acc ;
00100000000010000 ; store the new sum ;
10010000000000000 ; go back & read in next number ;
00010000000010000 ; load the final sum ;
01000000000000000 ; output the final sum ;
00000000000000000 ; stop ;
00000000000000000 ; 2-byte location where sum is stored ;
00000000000000000 ;
00000000000000000 ;
00000000000000000 .
```

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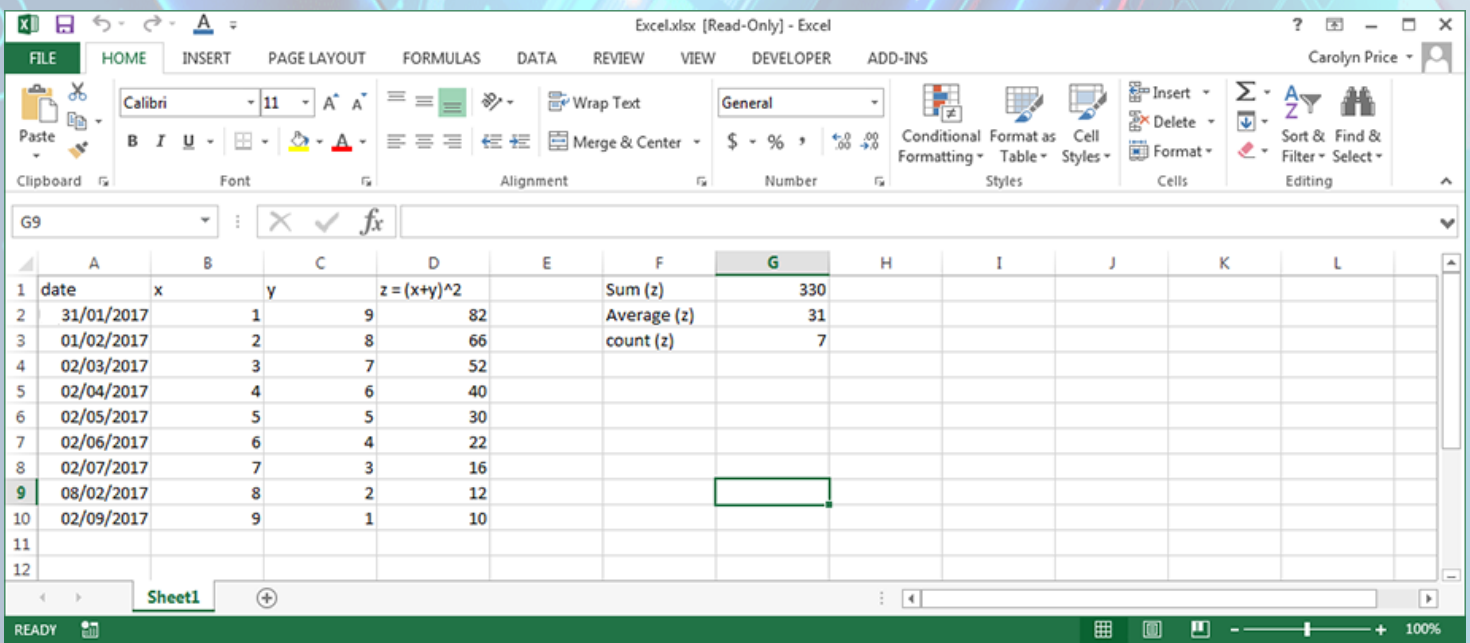
Application software

This is used to work written by the user and work by the user
Ex= MS word , page maker



Spread sheet software

This is used to all types of calculation work in excel.
Ex = Excel , lotus123,



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Presentation software

This is used to create a presentation in power point.

Ex – power point



Desktop Publishing Software

This is used to create photo and edit the photo

Ex= photoshop, corel draw, photoshine etc.

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