Қ.А.ЯССАУИ АТЫНДАҒЫ ХАЛЫҚАРАЛЫҚ ҚАЗАҚ-ТҮРІК УНИВЕРСИТЕТІ

СӨЖ

Тақырыбы: Control question

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Тексерген: Уксикбаев Е.

Түркістан 2017

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Control question

1.What is an operation system?

2.What is the disk defragmentation?

3.What is the computer virus?

4.What is number system?

5.What is it ROM?

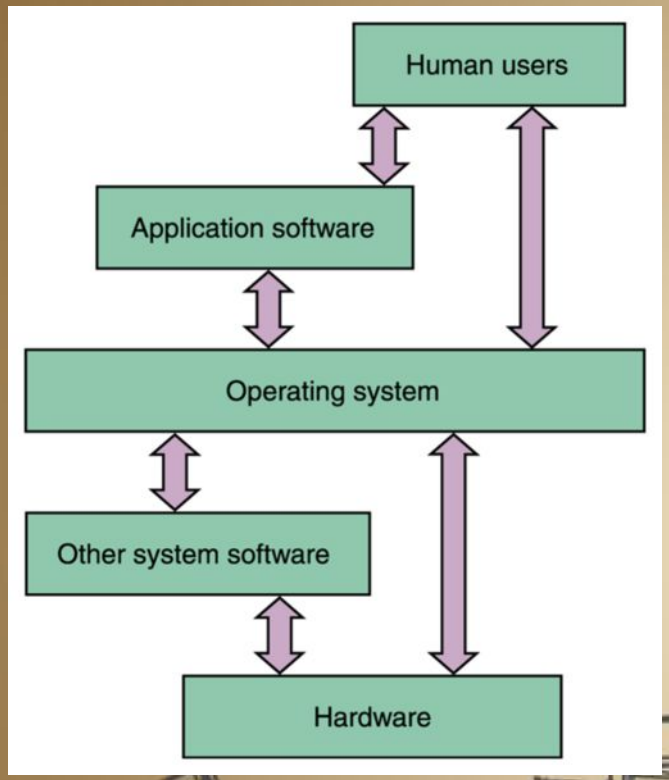
6.What extension does Microsoft Word document have?

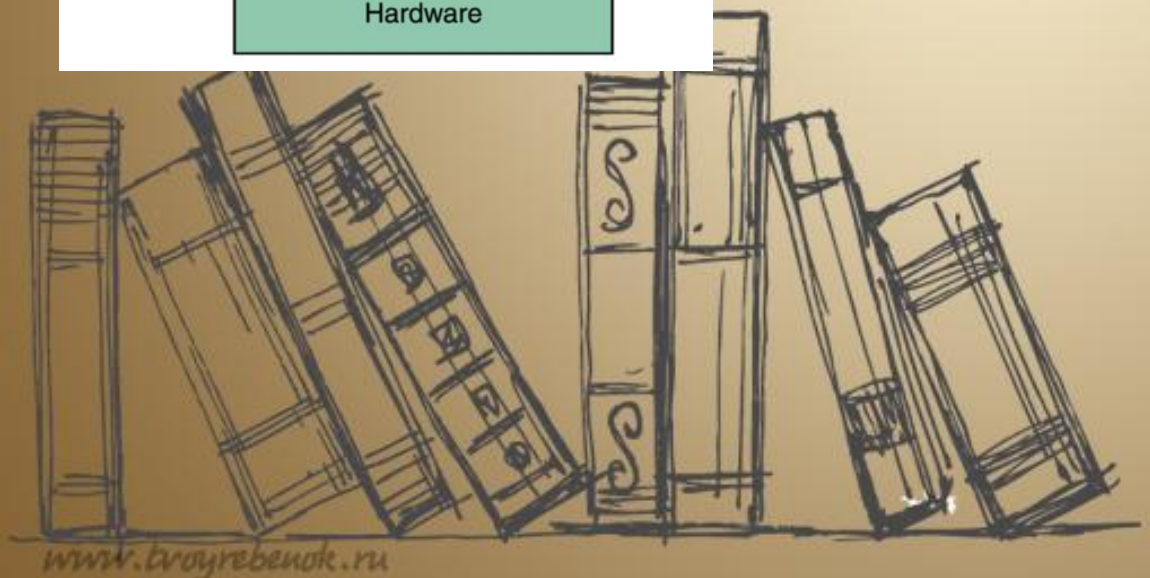
1.What is an operation system?

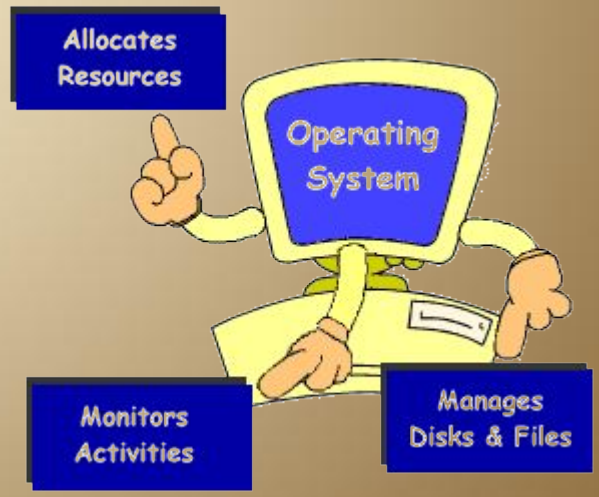
*An **operating system** (OS) is system software that manages computer hardware and software resources and provides common services for computer programs.*
All computer programs, excluding firmware, require an operating system to function.

- Операционная система *(OS)* - системное программное обеспечение, которое управляет компьютерным оборудованием и ресурсами программного обеспечения и предоставляет общие услуги для компьютерных программ. Все компьютерные программы, исключая встроенное микропрограммное обеспечение, требуют, чтобы операционная система

What is an operation system?







2.WHAT IS THE DISK DEFRAGMENTATION?

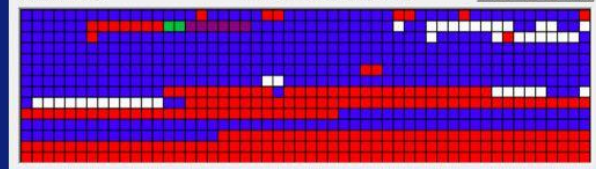
Defragmentation is the process of locating the noncontiguous fragments of data into which a computer file may be divided as it is stored on a hard disk, and rearranging the fragments and restoring them into fewer fragments or into the whole file. Defragmentation reduces data access time and allows storage to be used more efficiently.

Дефрагментация - процесс расположения фрагментов состоящих из нескольких несмежных участков данных, на которые может быть разделен компьютерный файл, поскольку это сохранено на жестком диске, и реконструкции фрагментов и восстановлении их в меньшее количество фрагментов или в целый файл. Дефрагментация уменьшает время доступа к

kausar

Volume	Status	File system	Total size	Free	Percent
C:		NTFS	34.18 Gb	5.48 Gb	16 %
D:		NTFS	38.79 Gb	18.00 Gb	46 %
E:		NTFS	6.01 Gb	5.67 Gb	94 %
F:	Defrag	NTFS	32.78 Gb	2.07 Gb	6 %

Cluster map: ☑ Skip removable media Rescan drives



Is Disk Defragmentation Useful?

3.What is the computer virus?

- *A **computer virus** is a type of malicious software program ("malware") that, when executed, replicates by reproducing itself (copying its own source code) or infecting other computer programs by modifying them. Infecting computer programs can include as well, data files, or the "boot" sector of the hard drive. When this replication succeeds, the affected areas are then said to be "infected" with a computer virus.*

Компьютерный вирус - тип программы вредоносного программного обеспечения ("вредоносное программное обеспечение"), которое, когда выполняется, тиражируется, размножаясь (копирование его собственного исходного кода) или инфицирование других компьютерных программ, изменяя их. компьютерные программы Инфицирования могут включать также, файлы данных или сектор "начальной загрузки "жесткого диска. Когда эта репликация успешно

VIRUS
01000001 01010011 01001001
01001001 01100001 01001001
01000001 01010011 01001001
01100011 00101000 00100010
01000001 01010011 01001001
01001001 01100001 01001001

avast! Warning
A Trojan Horse Was Found!
There is no reason to panic, though. Try to follow the given advice and links.
File name: C:\Hubpages-2\KVMsecure\snm-2.67_swpl.exe
Malware name: Win32:Spyware-gen [Trj]
Malware type: Trojan Horse
VPS version: 080922-0, 22.09.2008
Available actions
Move/Rename...
Delete...
Move to chest
Recommended action: Move to chest
Processing
Continue
Stop
Don't show this dialog next time
Schedule boot-time scan...
http://www.avast.com
Fill in our virus report to help us improve avast!...

Касперский, Евгений Валентинович

- Род деятельности: Генеральный директор «Лаборатории Касперского»
- Дата рождения:
- 4 октября 1965 (52 год)
- Место рождения: Новороссийск, РСФСР
- Страна: Россия

4.What is number system?

*A **numeral system** (or **system of numeration**) is a writing system for expressing numbers; that is, a mathematical notation for representing numbers of a given set, using digits or other symbols in a consistent manner. It can be seen as the context that allows the symbols "11" to be interpreted as the binary symbol for three, the decimal symbol for eleven, or a symbol for other numbers in different bases.*

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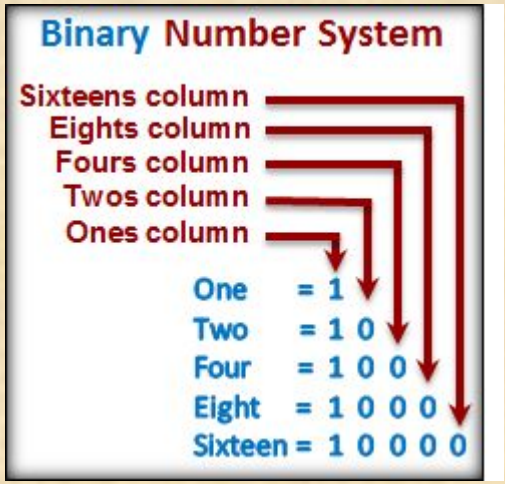
BINARY NUMBER SYSTEM

*In mathematics and digital electronics, a **binary number** is a number expressed in the **binary numeral system** or **base-2 numeral system** which represents numeric values using two different symbols: typically 0 (zero) and 1 (one).*



OCTAL NUMBER SYSTEM

*The **octal** numeral system, or **oct** for short, is the base-8 number system, and uses the digits 0 to 7*

Octal Numbering System (base 8)

Characters = 0,1,2,3,4,5,6,7

4 3 7 = 4x64+ 3x8 + 7x1

64's place 8's place 1's place

written 437_o or 437_8

$0_8 = 000_2$
$1_8 = 001_2$
$2_8 = 010_2$
$3_8 = 011_2$
$4_8 = 100_2$
$5_8 = 101_2$
$6_8 = 110_2$
$7_8 = 111_2$

$1675_8 = \underbrace{001}_{1}\ \underbrace{110}_{6}\ \underbrace{111}_{7}\ \underbrace{101}_{5}{}_2$

$1675_8 = 1110111101_2$

DECIMAL NUMBER SYSTEM

*The **decimal** numeral system (also called **base-ten** and occasionally called **denary**) has ten as its base, which, in decimal, is written 10, as is the base in every positional numeral system. It is the numerical base most widely used by modern civilizations*

Decimal Numbering System (base 10)

Characters = 0,1,2,3,4,5,6,7,8,9

4	8	7	2
Thousand's Place	Hundred's Place	Ten's Place	One's Place

= 4x1000 + 8x100 + 7x10 + 2x1

written 4872_d or 4872_{10}

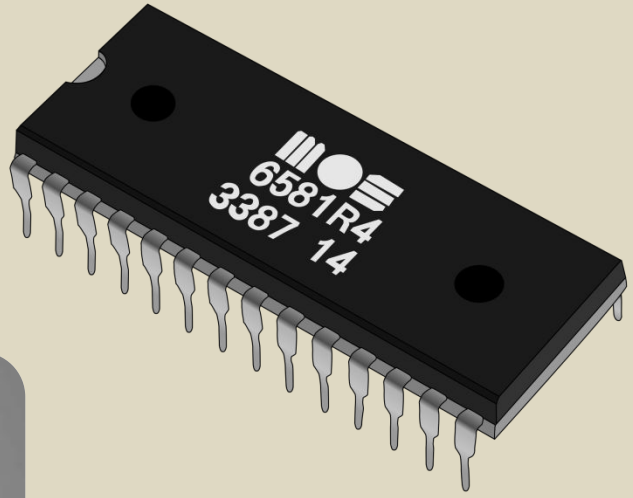
HEXADECIMAL NUMBER SYSTEM

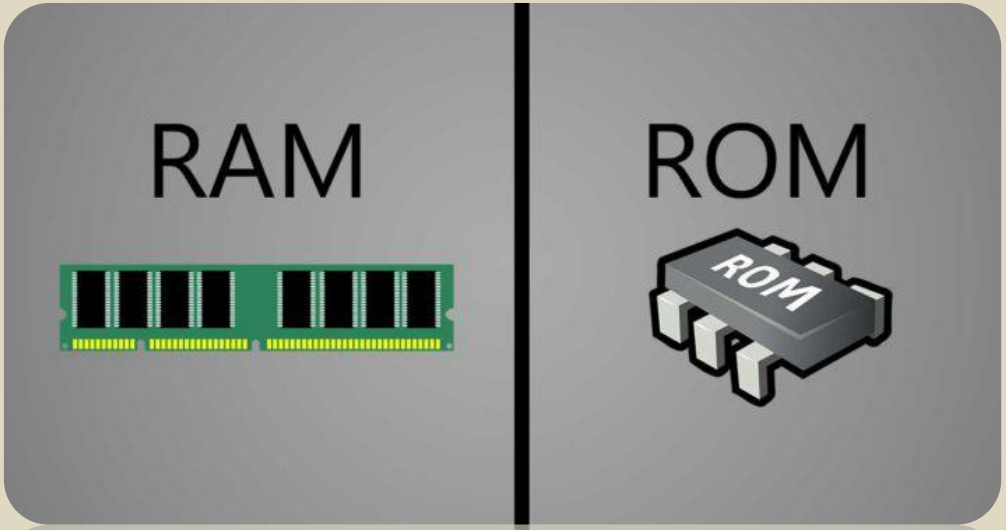
*The **hexadecimal numeral system**, also known as just **hex**, is a numeral system made up of 16 symbols (base 16). The standard numeral system is called decimal (base 10) and uses ten symbols: 0,1,2,3,4,5,6,7,8,9. Hexadecimal uses the decimal numbers and includes six extra symbols. There are no symbols that mean ten, or eleven etc. so these symbols are letters taken from the English alphabet: A, B, C, D, E and F. Hexadecimal A = decimal 10, and hexadecimal F = decimal 15.*

5.WHAT IS IT ROM?

Read-only memory *(ROM) is a type of non-volatile memory used in computers and other electronic devices. Data stored in ROM can only be modified slowly, with difficulty, or not at all, so it is mainly used to store firmware (software that is closely tied to specific hardware, and unlikely to need frequent updates) or application software in plug-in cartridges.*

THIS IS ROM





6.WHAT EXTENSION DOES MICROSOFT WORD DOCUMENT HAVE?

- *A file with the DOCX file extension is a Microsoft Word Open XML Format Document file.*
- *DOCX files are XML-based and can contain text, objects, styles, formatting, and images, all of which are stored as separate files and ultimately compacted in a single, ZIP-compressed DOCX file.*

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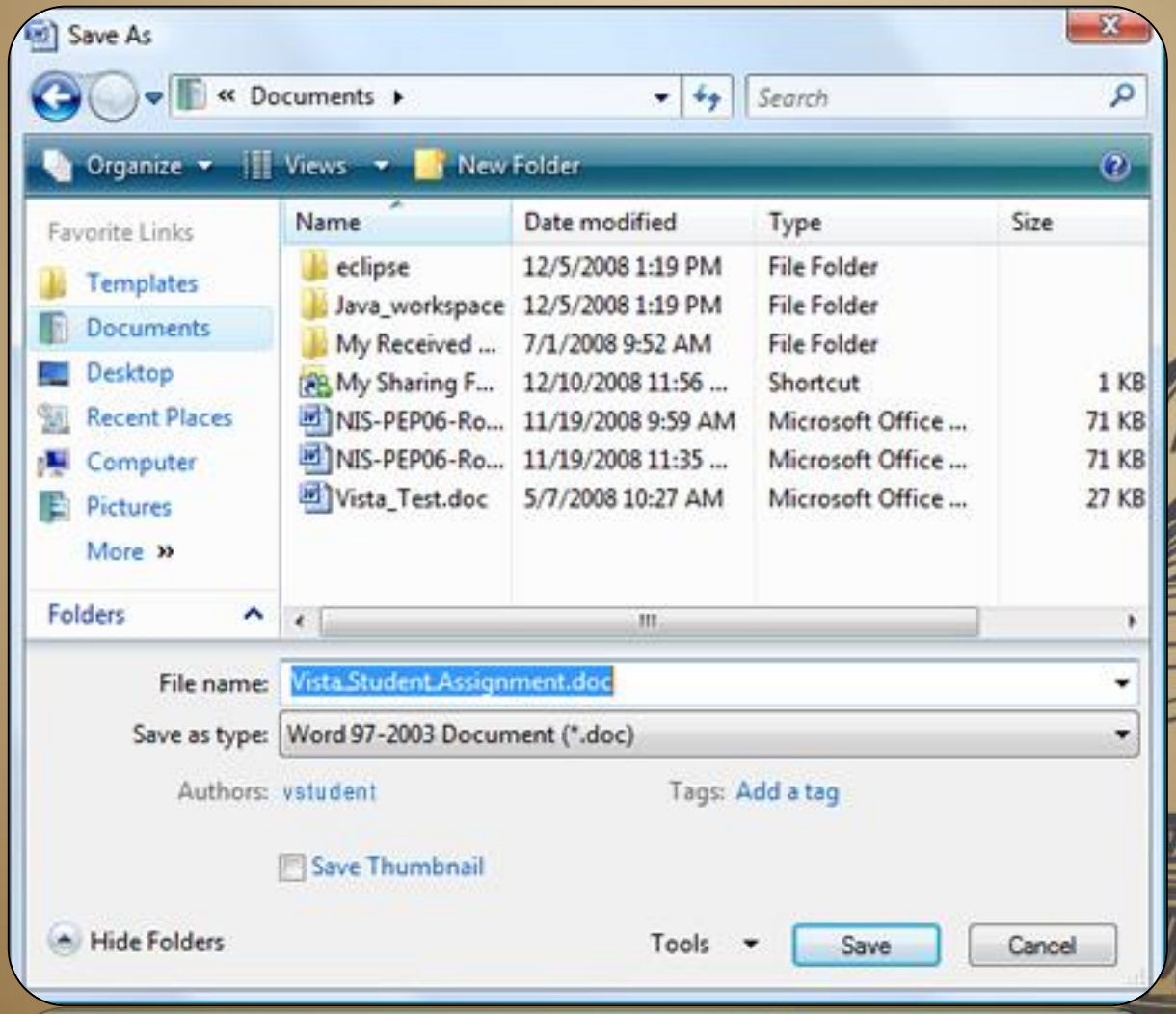
EXAMPLE



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