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Student`s independent work

***THEME*:OPERATING SYSTEMS FOR MOBILE DEVICES**
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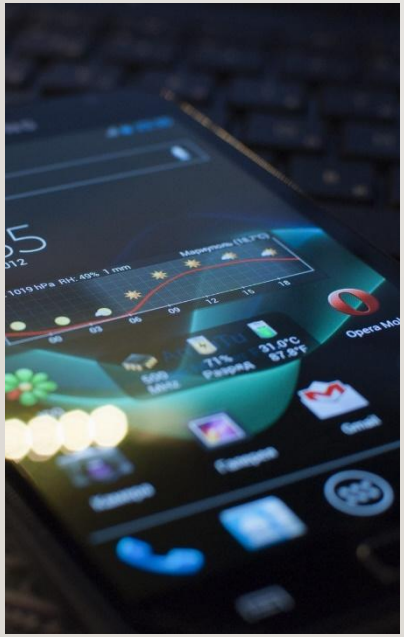
Operating systems for mobile devices

THERE ARE OPERATING SYSTEMS

- Android
- iOS
- Windows Phone
- Symbian OS
- Blackberry OS



iOS- Mobile operating system from the company Apple

This system was distributed only on the company's products Apple. Used in iPhone,iPod,iPad as well as a set-top box AppleTV

Dignities:
1) Ease of use
2) Quality support
3) Regular updates, eliminating many problems in the shortcomings:

Need :
1) the Need for Jailbreak to install unofficial applications
2) Closed OS

Androi
d

One of the youngest mobile operating systems based on the Linux operating system and developed by the Open Handset Alliance (OHA) with the support of Google. The source code is publicly available, so any developer can create their own version of this mobile OS. Application developers are put forward a small number of restrictions, so there are many both paid and free applications that can be conveniently downloaded from Google Play.

Dignities: Flexibility

1) Open source
2) a Large number of applications
3) a Huge number of smartphones with this OS.

Disadvantages: Many current versions– for many devices,
the new version comes too late or does not appear at all, so developers have to develop applications, focusing on older versions High predisposition to hacker attacks
due to the openness of the code
Almost always requires improvements

Updates Android

- **Windows 10 Mobile** - this is a mobile version of Windows 10 developed by Microsoft.

It is designed for devices with screen sizes up to 8 inches. Windows 10 Mobile is designed to provide greater synchronization with the Windows version for personal computers, greater synchronization of content, new "universal" applications, as well as the ability to connect devices to an external display and use a smartphone as a PC with an interface with mouse and keyboard support.

Недостатки:

1) a Small number of applications
2) 2) Short battery life
3) 3) Limited interface customization
4) 4) Inconvenience of use

Достоинства:

1) a Tiled interface that displays information without opening the app.
2 Stability
3) Smooth operation

09 : 30
Studio C
C/2866
Windows 10
One product family
One platform
One store

symbian OS

It was the most popular OS for mobile devices thanks to the support of Nokia. An important role was also played by the fact that the system has a small size, as well as the fact that the graphical interface and the core of the system are separated from each other. This made it easy to port it to various mobile devices. Later, multitasking was added.

Dignities:

1) Low memory and CPU requirements
2) Unused memory release Function
3) Stability
4) small number of viruses for this platform
5) Large number of programs

Disadvantages:

1) to communicate with the PC you need to install additional software
2) Incompatibility of programs for old and new versions
3) no longer available updates and smartphones for this OS.

The operating system runs exclusively on devices manufactured by Research in Motion Limited (RIM). It is focused on corporate users. It got its name from smartphones for which it was created, as the keyboard of smartphones were similar to the berry of BlackBerry. Smartphones with this operating system have become widespread in the corporate environment, due to the complexity of interception of messages.

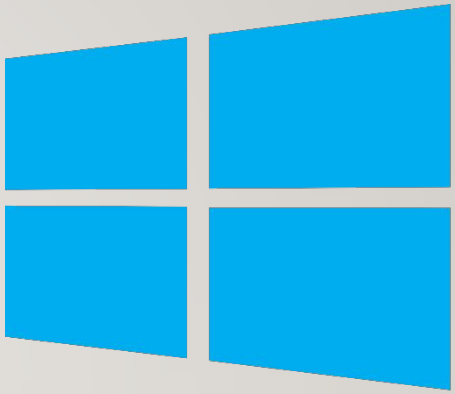
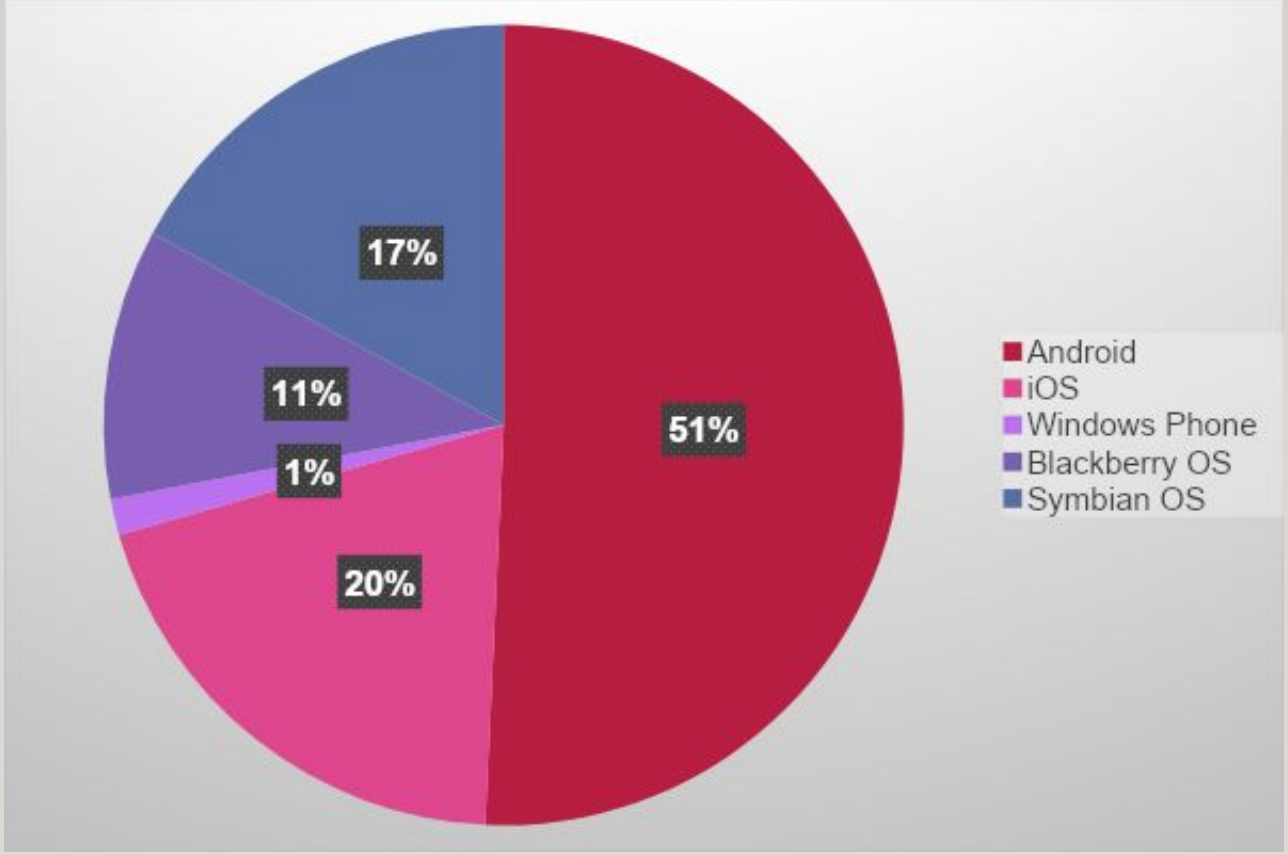
Dignities:

1)Convenient e-mail use
2) easy synchronization with PC
3) Wide range of security settings

Disadvantages:

1) Optimized to display only text information, the quality of graphics is not very good 2) not very convenient browser

Representatives of operating systems



Market share of mobile operating systems