**UNIT 6**

**SOFTWARE. TYPES OF SOFTWARE**

A computer to complete a job requires more than just the actual equipment or hardware we see and touch. It requires Software – programs for directing the operation of a computer or electronic data.

Software is the final computer system component. These computer programs instruct the hardware how to conduct processing. The computer is a general-purpose machine which requires specific software to perform a given task. Computers can input, calculate, compare, and output data as information. Software determines the order in which these operations are performed.

Programs usually fall in one of two categories: system software and applications software.

System software controls standard internal computer activities. An operating system, for example, is a collection of system programs that aid in the operation of a computer regardless of the application software being used. When a computer is first turned on, one of the systems programs is booted or loaded into the computers memory. This software contains information about memory capacity, the model of the processor, the disk drives to be used, and more. Once the system software is loaded, the applications software can start to work.

System programs are designed for the specific pieces of hardware. These programs are called drivers and coordinate peripheral hardware and computer activities. User needs to install a specific driver in order to activate his or her peripheral device. For example, if you intend to buy a printer or a scanner you need to worry in advance about the driver program which commonly go along with your device. By installing the driver you «teach» your mainboard to «understand» the newly attached part.

Applications software satisfies your specific need. The programmers nowadays tend to include all kinds of gimmicks in one program to make software interface look more attractive to the user. These class of programs is the most numerous and perspective from the marketing point of view.

**Vocabulary:**

to direct – управлять

to conduct – проводить

general purpose – многоцелевой

to require – требовать

system software – системное программное обеспечение

application software – прикладное программное обеспечение

internal – внутренний

to load – загружать

specific – конкретный, определенный

regardless of – несмотря на

to install – устанавливать

to boot – запускать

to develop – развивать, проявлять, разрабатывать

to provide with – обеспечивать чем-либо

to attach – присоединять

**1. Translate from Russian into English:**

1. управление работой компьютера,
2. электронные данные,
3. проводить обработку,
4. многоцелевая машина,
5. программное обеспечение,
6. вводить,
7. считать,
8. сравнивать,
9. выводить данные,
10. определять порядок,
11. системное программное обеспечение.

**2. Find English equivalents in the text:**

1. Программное обеспечение – программы для управления работой компьютера или электронными данными.
2. Программное обеспечение определяет порядок выполнения операций.
3. Прикладные программы удовлетворяют вашу потребность.
4. Системное программное обеспечение контролирует стандартные внутренние деятельности компьютера.
5. Программисты сегодня имеют тенденцию включать все виды приманок в одну программу.

**3. Complete the sentences:**

1. Software – programs for directing … .
2. Computers can … .
3. Software determines … .
4. Programs usually fall in one of two categories … .
5. System software controls … .
6. An operating system, for example, is a collection … .
7. System programs are designed … .
8. By installing the driver you … .
9. Applications software satisfies … .
10. This class of programs is … .

**4. Make up the sentences:**

|  |  |
| --- | --- |
| 1. The computer is … | a) requires more than just the actual equipment or hardware we see and touch. |
| 2. Software determines … | b) your specific need. |
| 3. System programs are designed … | c) a general-purpose machine which requires specific software to perform a given task. |
| 4. Applications software satisfies … | d) for the specific pieces of hardware. |
| 5. A computer to complete a job … | e) the order in which these operations are performed. |

**5. Answer the questions:**

1. In what two basic groups software could be divided?
2. What is system software for?
3. What is software?
4. What is an operating system?
5. What is application software?
6. What is application software for?

**6. Say if the following sentences are True or False:**

1. Computer programs only instruct the hardware how to handle data storage.
2. System software controls standard internal computer activities.
3. The computer is a general-purpose machine which requires specific software to perform a given task.
4. Computers can only input, calculate data as information.
5. Programs usually fall in one of two categories: system software and applications software.