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ANDROID: FUNDAMENTAL KNOWLEDGE, DEVELOPMENT PROSPECTS, ROLE IN THE MODERN WORLD

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Robots are becoming an integral part of our lives. It's hard to surprise a modern person with a robot. They are found in all areas of life. The processor of the android robot can conditionally be considered its "brain", which is combined with a system of analyzers (sound, images, and so on) that can be compared with the eyes and ears of the robot [2, p. 113]. The processor works thanks to the written program, the better the program is written, the more advanced the robot.

In general, Android is not only a human-like robot, but also an operating system. As for operating systems, they are different, depending on the needs. And one of these was called "Android" [1, p. 12].

Android has an "open" code, which means that different teams and individual programmers can write separate additions for it. This is how games and applications for mobile phones and tablets appear. Android, like any living creature, is growing, learning new things and improving.

If we compare the industrial robot, human and android, then we see both similar and different features. For example, a person is a living creature that has intellect and morality. The body consists of the skeleton and muscles and all the systems necessary for life. What cannot be said about the android, it has only a similar "body" in shape. The body also consists of a skeleton, but instead of muscles, wires and power supplies. An industrial robot only performs a number of tasks, it consists of metal and plastic mounts. Of course, he does not look like a person, but some have a "hand manipulator".

Android brain is a processor with a program. Its complexity and ability is developed by man. There are complex computer programs capable of calculating "steps forward", this ability is called tactics. And in this case, artificial intelligence, more talented than human. But a person can develop a visionary plan, throw back unnecessary steps, and create a strategy. And Android will consider and evaluate all possible combinations [3]. Therefore, the advantages of the strategist are on the human side.

Android emotions - an external manifestation of the program. You can teach the robot emotions only by registering the appropriate commands in its program. When his face becomes sad, it means that the sensors are triggered, their signal is processed and gives a command to those details that are responsible for facial expressions.

In conclusion, the Android operating system has become quite popular. Thanks to this system, we discover a world of other possibilities. Over time, scientists will improve the android for mobile devices: improving and simplifying the user interface; improved graphics; wider multimedia capabilities; development of a set of service and gaming programs; compatibility with PC and file formats, acceleration of processors, increase in memory, implementation of new fast communication technologies.

References

1. Burnette E. Hello, Android: Introducing Google's Mobile Development Platform. New York: Pragmatic Bookshelf, 2016. 280 p.

2. Lee W. Beginning Android Application Development. Indianapolis, 2011. 448 p.

3. What is Android: website. URL: https://stackoverflow.com/questions/%20-tagged/-android/ (Last accessed 1.10.2019)

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