Coding with Hopscotch

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I am born to Christian parents and I reverted to Islam. I especially like Surah Ar-Rahman where we are reminded to look at nature to see signs of Allah. Nature has always been a source of inspiration in everything I do, including coding.
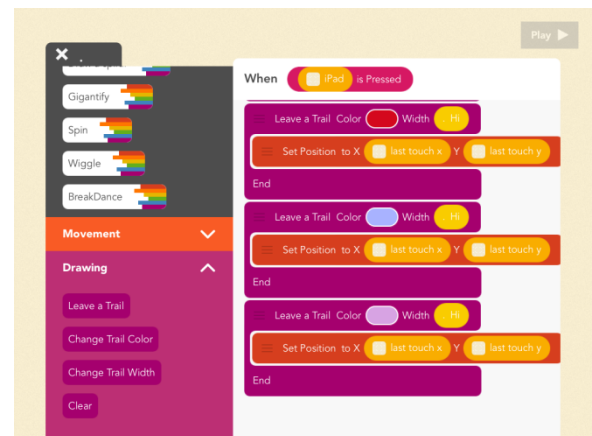
Have you even wondered how websites are made, how to create your own app for your phone or how airplanes can fly with the help of technology? It's with coding. Coding is how we talk to computers. There are many languages you can use for coding, depending on what you want to do. I recommend Hopscotch. While having fun, you learn the type of thinking required of software developers. After mastering coding with Hopscotch, using a real computer language later on, becomes very easy.

Most computer engineers started coding very young. Would you like to build the next Google thing or build the next medical revolution? It could be as easy as drawing, cooking, or assembling Lego blocks. Hopscotch is designed for students ages 8 to 15. It even has an entire community to learn with, videos that show you how it works, a large selection of already made programs to learn from, games, and Muslim Hopscotch developers such as SlickJudge (me) to learn with.

I am a Muslim girl, and I code. I often read a good science book or see a good idea on social media and I code. I walk in nature and I code.

I wrote the following Hopscotch program after reading a good book on nanotechnology, the science of the very small. It is a 3D printer. You will find the program by searching "3D printer" on the Hopscotch app. In medicine, 3D printers could be used to regenerate entire organs, like kidneys or bones, from stem cells. 3D printing removes ethical problems that doctors sometimes face in their practice, by not having to use stem cells from unborn babies. In the following link, I explain in detail how to write the Hopscotch code for the 3D printer.

https://www.youtube.com/watch?v=m0GGDJ2Dm-Y

Imagine what planet Earth could be like if the technology world was populated by God-fearing people. We could build the infrastructure needed for a caring, sustainable, environment-friendly world. Allah knows best, but technology is not going away any time soon. There are so many jobs available in this field that there are not enough graduates of computer science or engineering to fill them all. It is up to us to learn the language of technology and create a culture where technology is used for God-fearing purposes.