

# EDAPlayground Q&A

## 1. What is EDAPlayground and why will we use it?

EDAPlayground is an online simulation and synthesis tool to write and simulate HDL codes, e.g, SystemVerilog. We will use it in the upcoming labs 4 and 5, to run and test our assignments instead of doing it on Xilinx Vivado and Basys 3.

## 2. How to use EDAPlayground?

To use EDAPlayground, first register to the platform using the following link:

<https://www.edaplayground.com/register>

Use your Bilkent University email addresses. For company and institution, enter: “İhsan Doğramacı Bilkent University” and for the job title enter “Student”. Following the registration, activate your account from the link sent to your email address.

After you login, on the right-hand side, there is a tab to write your design codes, i.e, modules. On the right-hand side, you can write your testbench codes and enter tools and simulation settings.

After you finish writing your codes, save it and run it using the bottom on the top. You can inspect your output from the “Log” tab on the bottom.

## 3. What tool and simulator setting will be used?

From the settings menu on the left, make the following changes under Tools & Simulators:

- Select “Aldec Riviera Pro 2020.04”
- Enter the compile options: -timescale 1ns/1ns -sv2k9
- Enter run options: +access+r
- Set the runtime to 10ms.