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Prelab 05.

a. **What is the function of the statement GENERIC, and how can one instantiate a Generic component. i.e How to port map it?**
GENERIC statement is used for passing information to an entity. They do not have a direction.
Can instantiate a generic component using 'generic map' (instead of 'port map') e.g. with the GenClock component.
GenClock1: GenClock
generic map(time_period => 1)
port map(clk => clk, Clock=>Clock);
***note no semicolon between generic map and port map.

b. **Write the UCF file required to display the four clocks generated by your code above**
TestClock.ucf
LD0 – LEDs are active HIGH
See page 20 spartan 3 manual
NET "Clock" LOC = K12