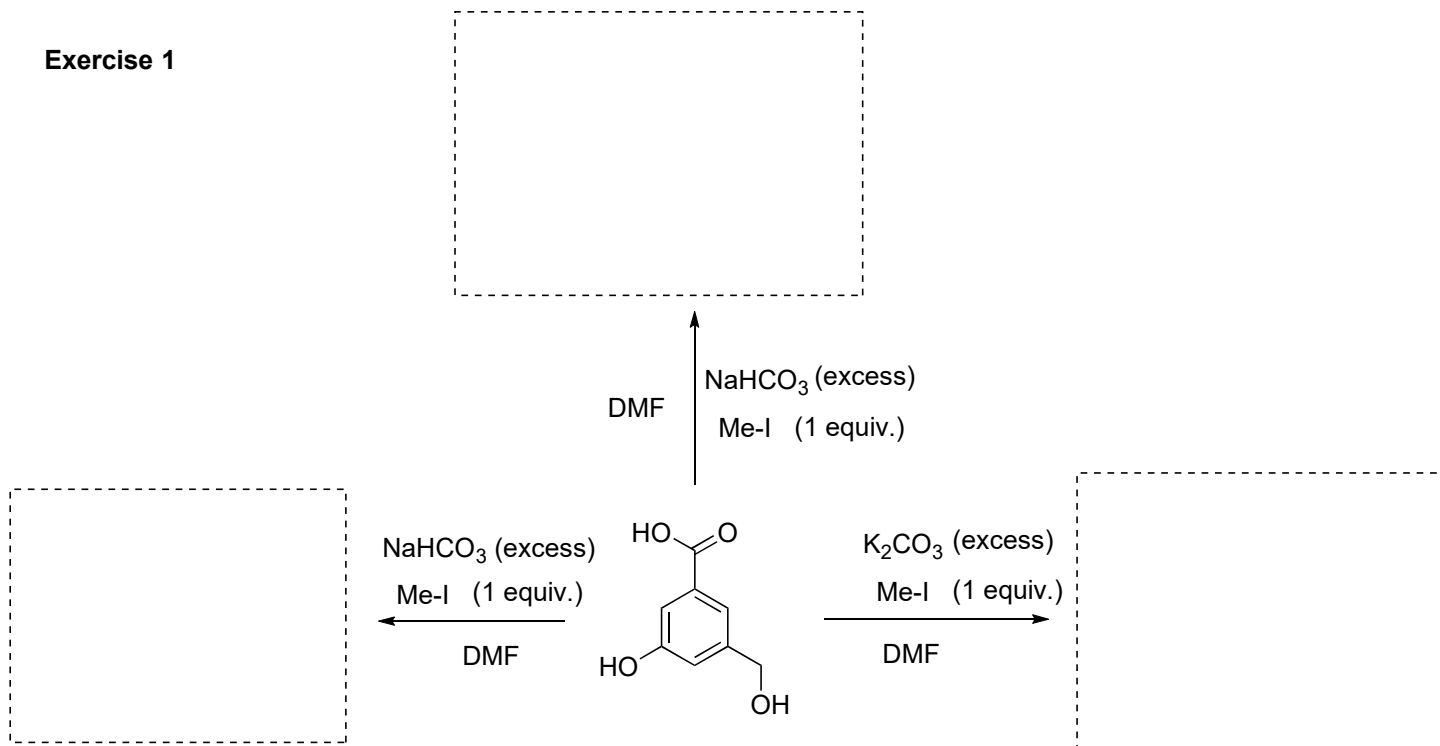


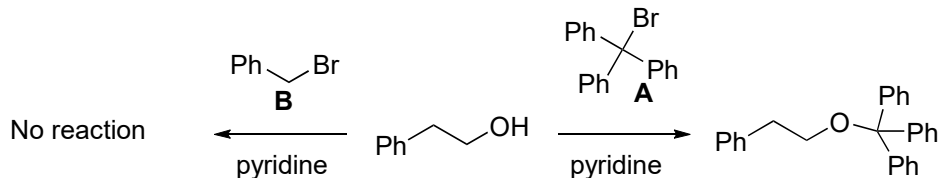
Exercise 1



-Guess the major product formed in the 3 cases
-Justify your choice

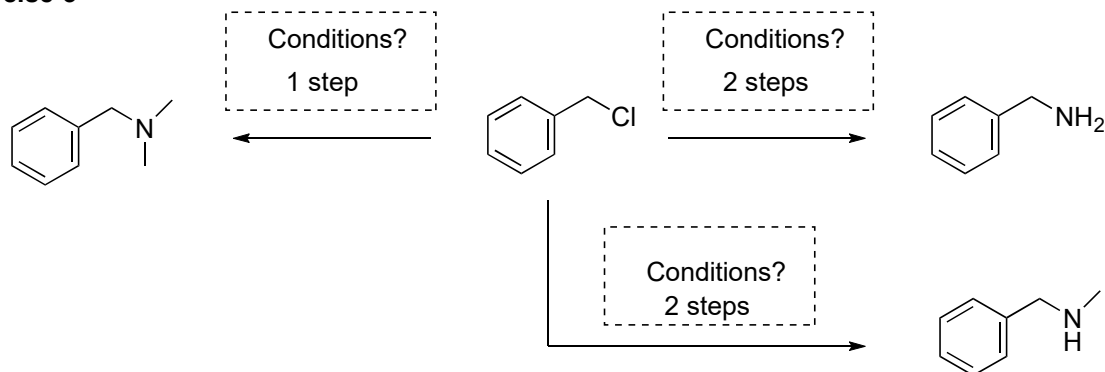
Tip: the more an anion is basic the more nucleophile it is

Exercise 2



-What is the type of mechanism involved in the right arrow with halide **A**?
-The reaction with different halide **B** does not work in the same conditions. Explain why?
-Thus, what is the exact role of pyridine ?
-Propose reagents of replacement to have the reaction working

Exercise 3



-Propose conditions to obtain the 3 different products (primary, secondary and tertiary amines)in the required number of steps