



American International University- Bangladesh

Department of Electrical and Electronic Engineering

EEE 2104: Electronic Devices Lab

Lab Report

Semester: Fall 2022-2023

Section: T

Experiment Number: 5

Title: Study of Transistor Characteristics in Common Emitter Amplifier.

Submitted to-

Mohammad Zohurul Islam
Senior Lecturer, Dept. of EEE
Faculty of Engineering

Submitted by-

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ID: 21-44793-1

Group number: 1

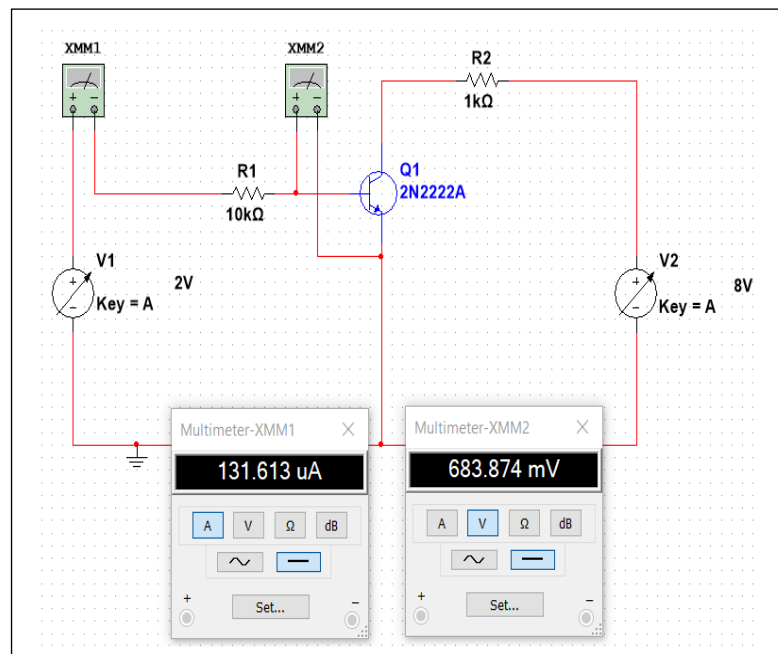
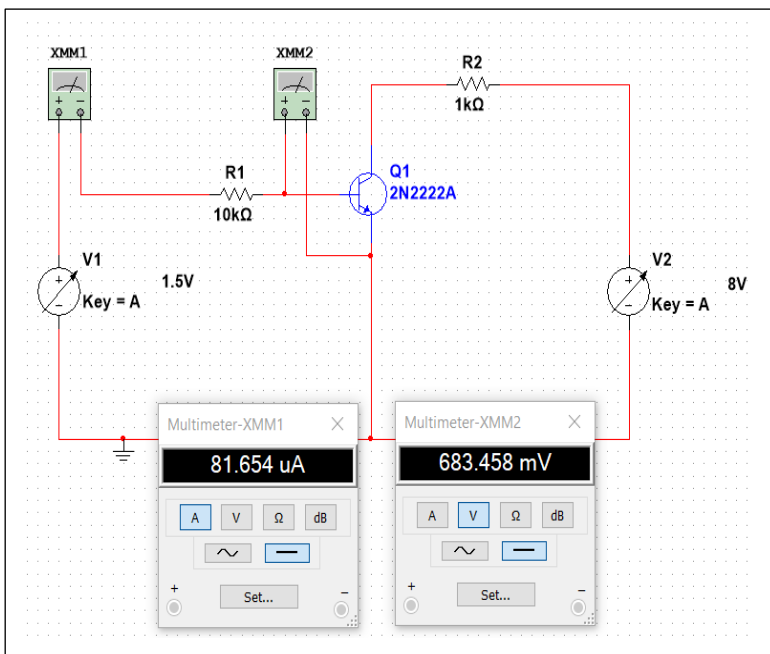
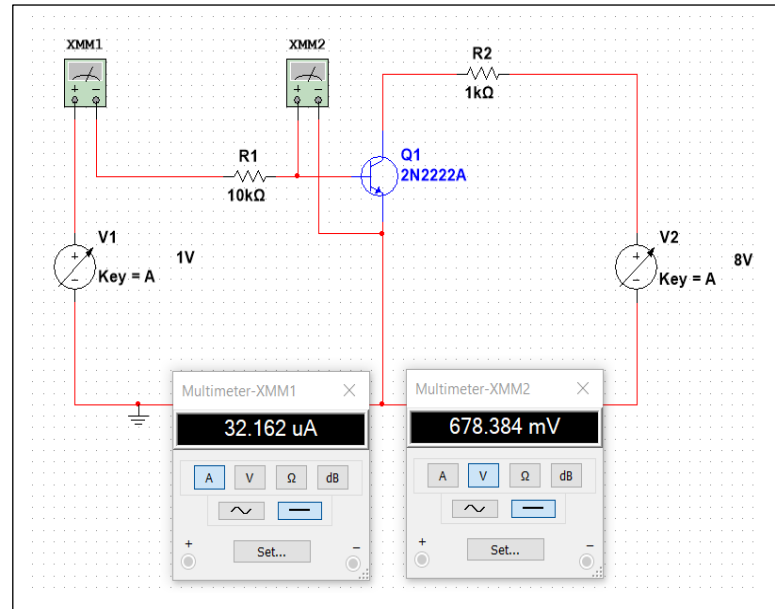
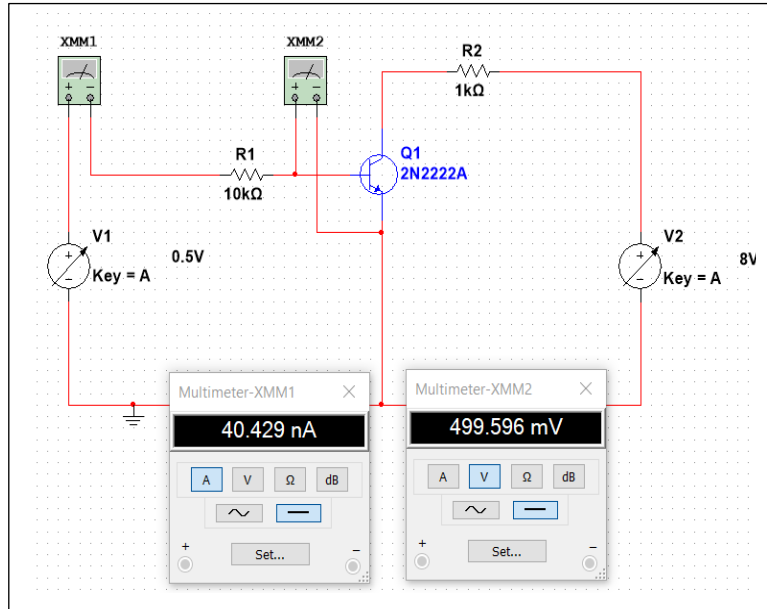
Group members-

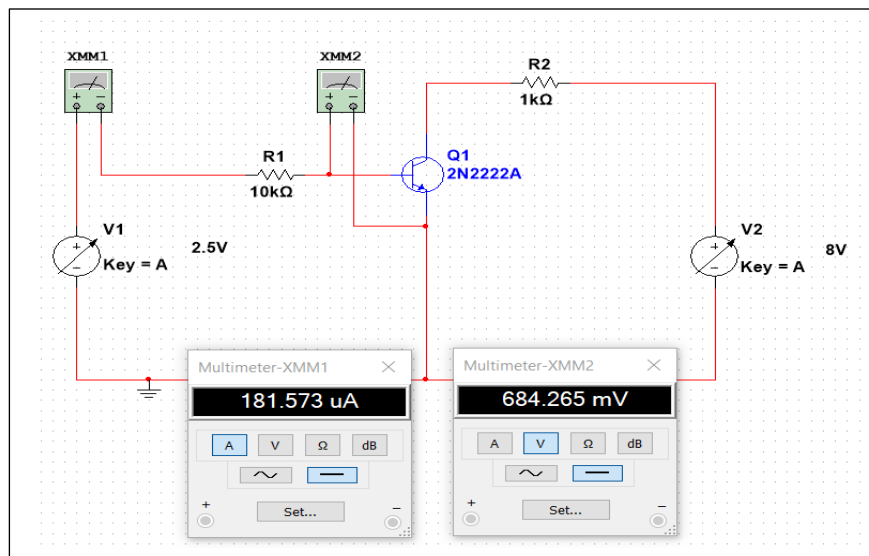
Sl.	Name	ID
1	Nokibul Arfin Siam	21-44793-1
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3	MD. Mehedi Hasan Ratul	21-45007-2
4	Zilani Khan	21-45785-3
5	Tamal Krishna Saha	21-45906-3

Submitted on: 11/7/2022

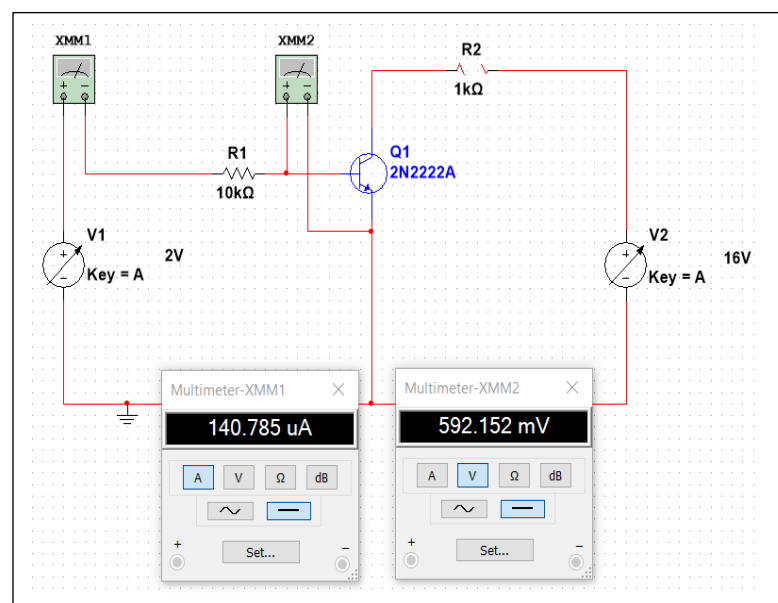
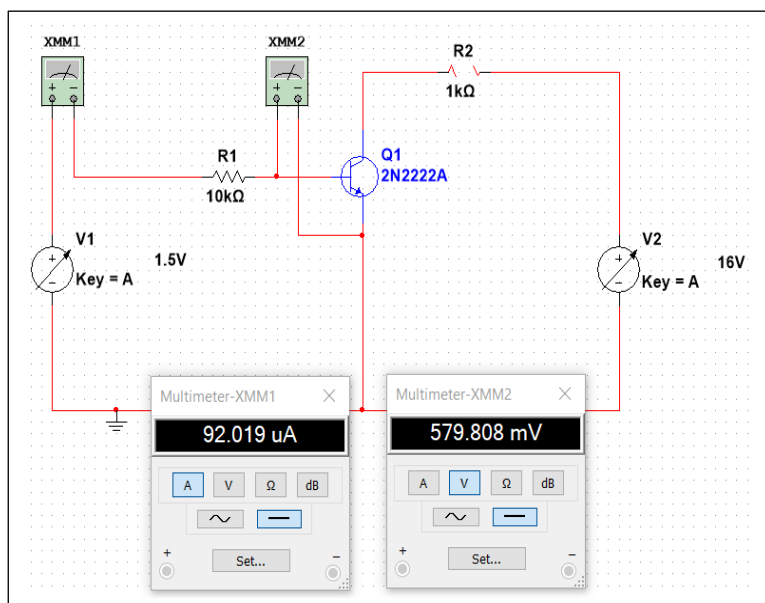
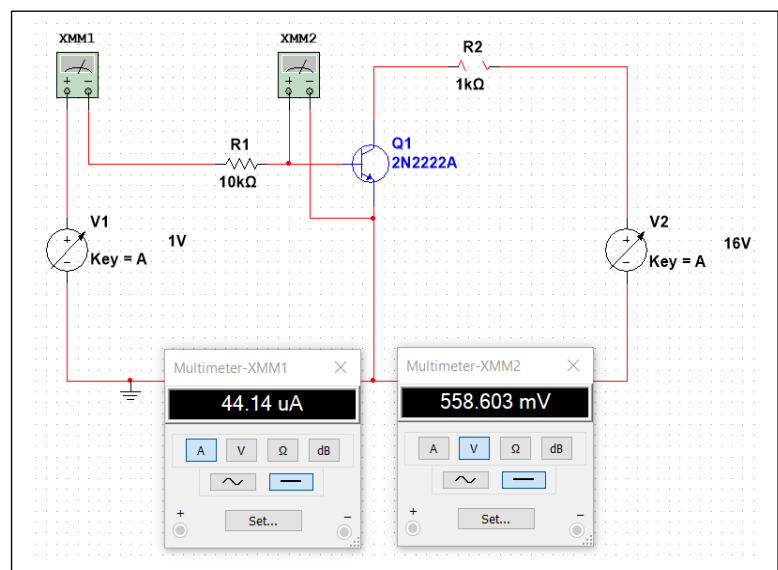
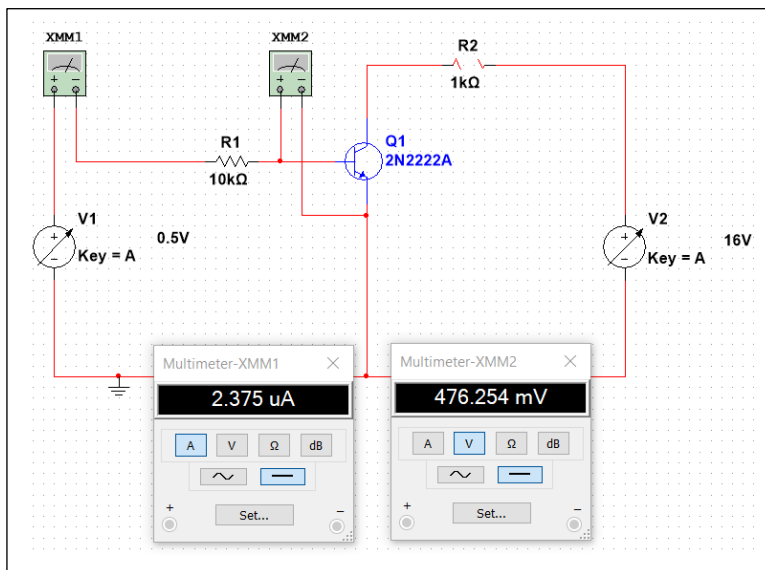
Simulation and Measurement

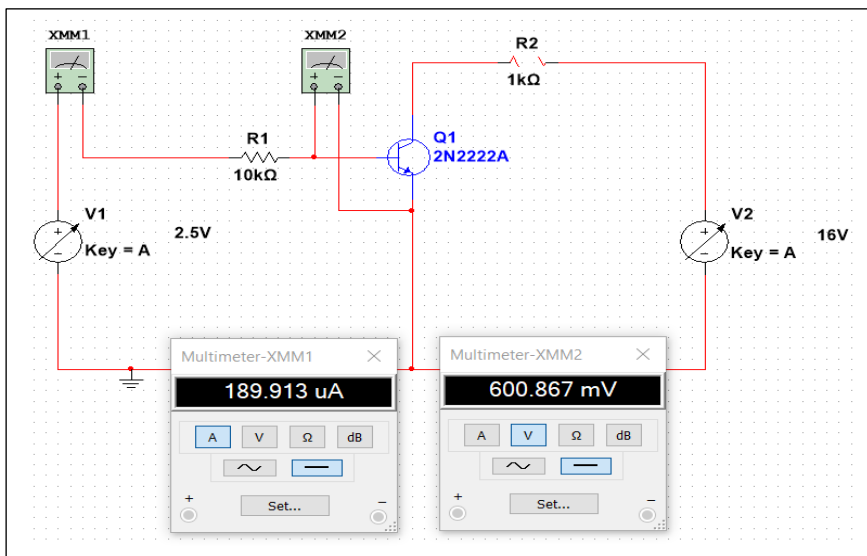
Input Characteristics For $V_{cc} = 8V$



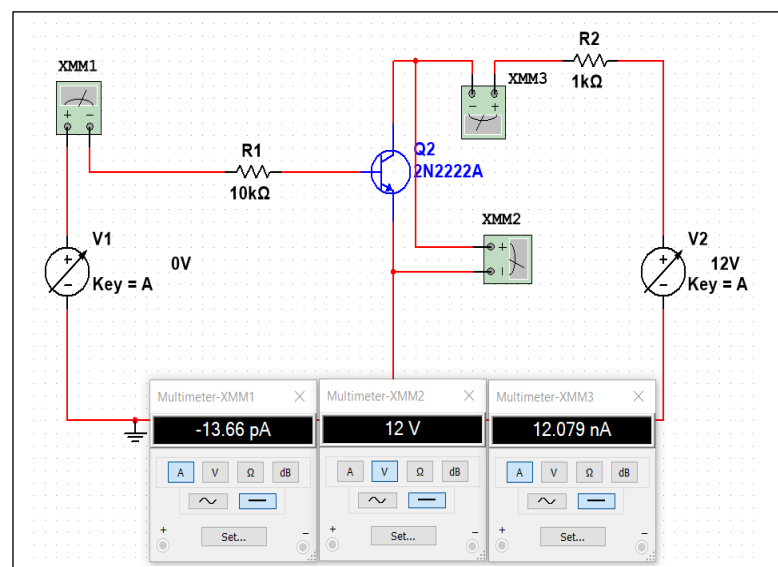
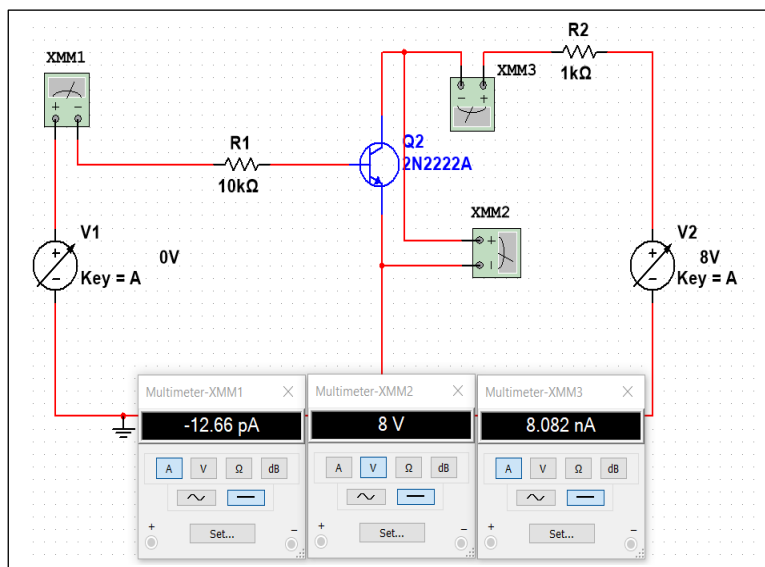
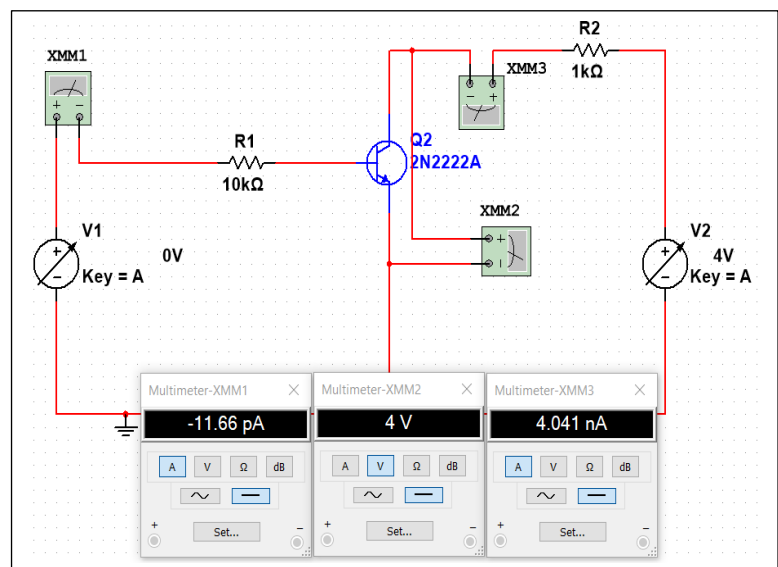
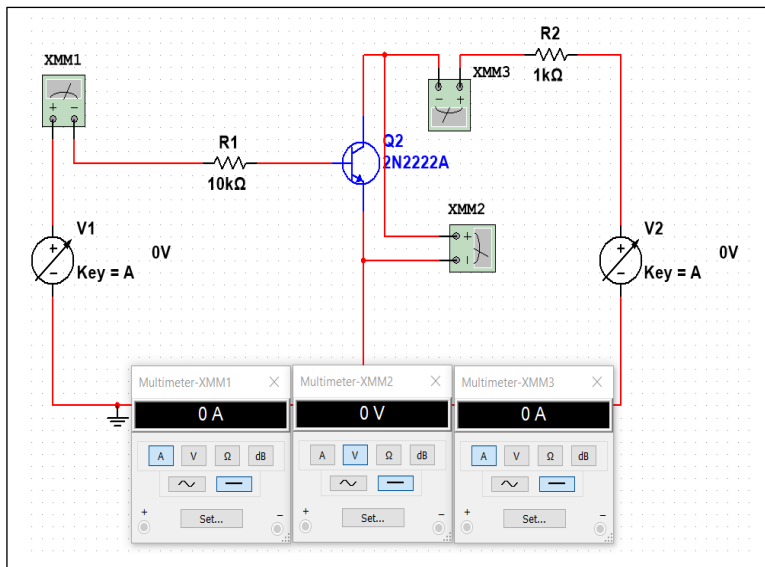


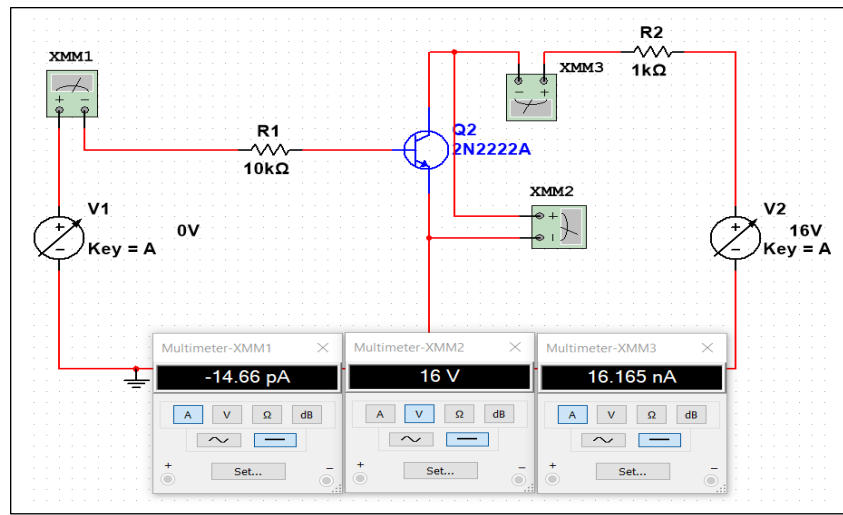
For $V_{cc} = 16V$



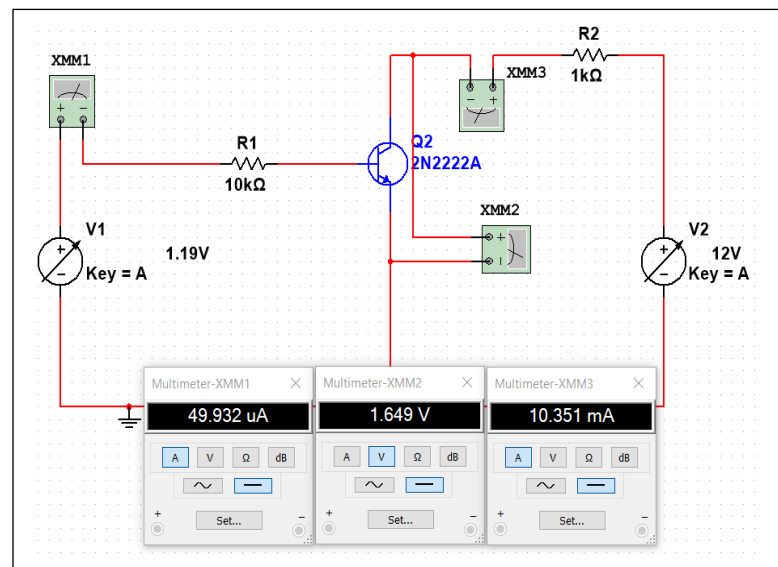
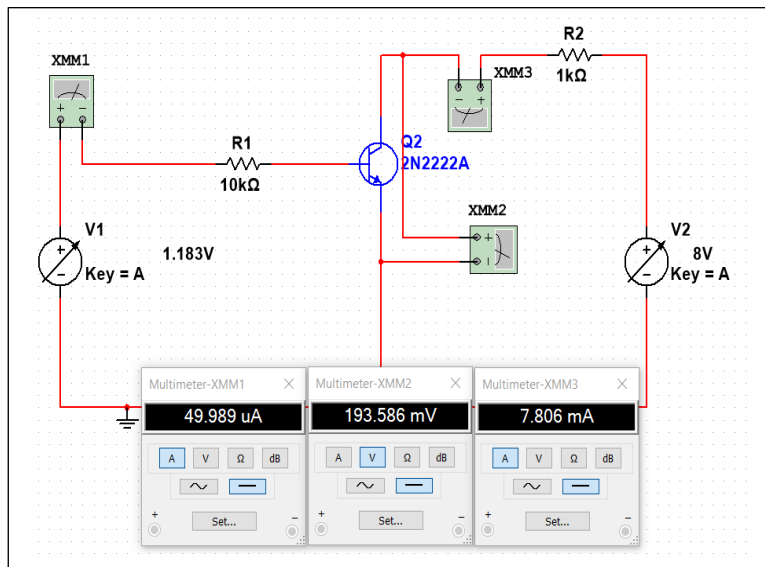
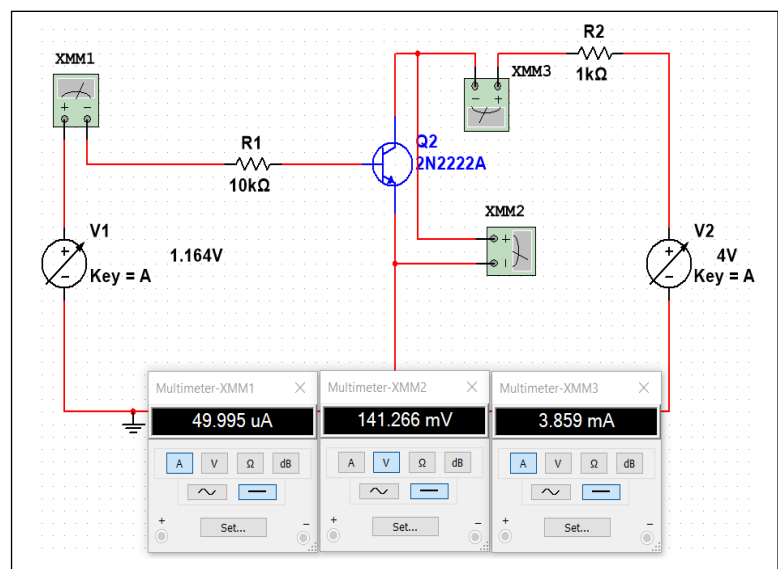
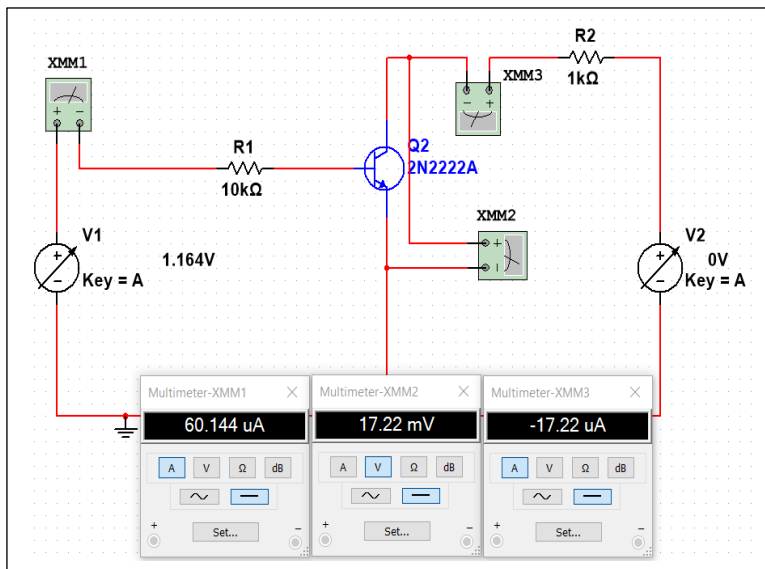


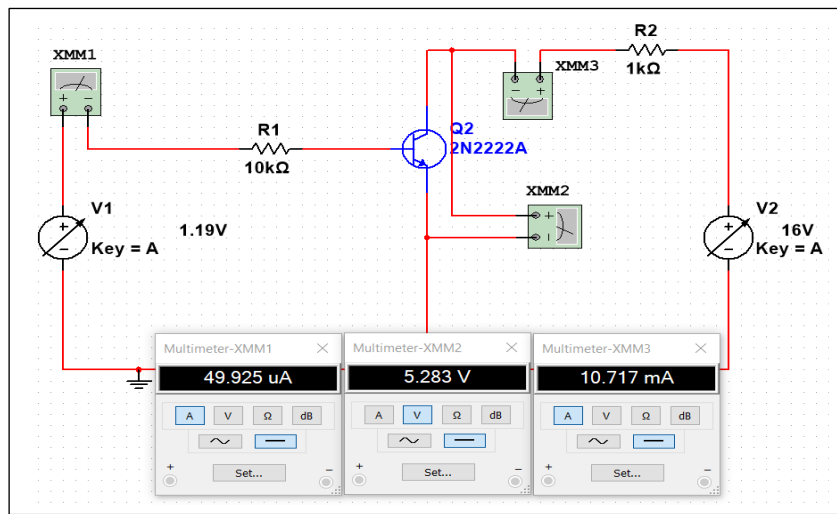
Output Characteristics For $I_B = 0 \mu A$





For $I_B = 50 \mu A$





For $I_B = 100 \mu A$

