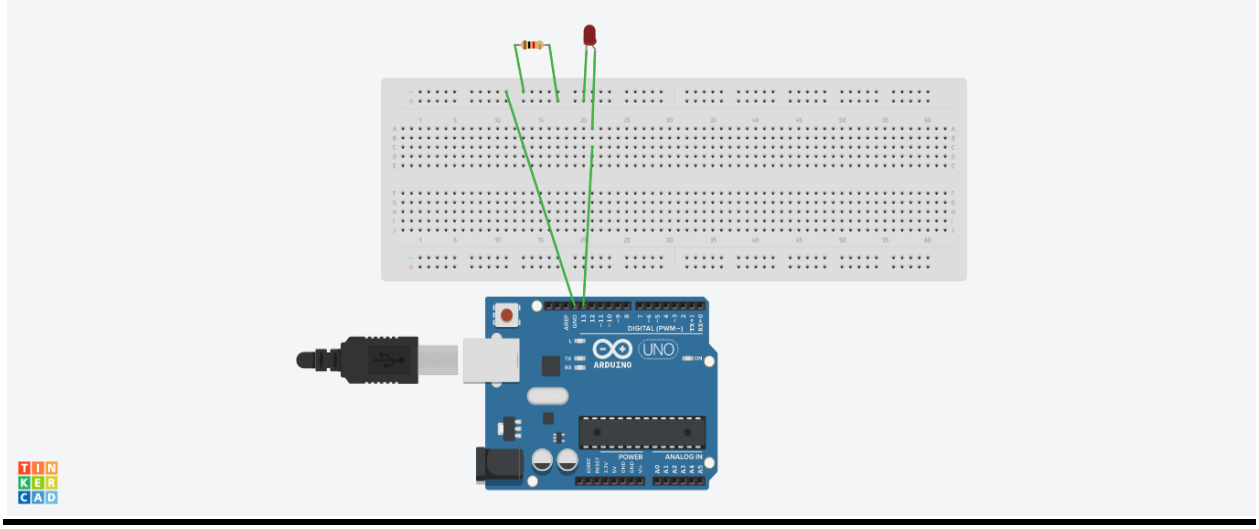
EXPERIMENT 1- DESIGN A **LED FLASHER**

CIRCUIT DIAGRAM-



CONCEPT USED –

- Basic concept of making connections to make a circuit.
- Working of Arduino uno microprocessor
- Coding in Arduino uno

Learning and Observations –

I learned how a arduino works and how to upload code into it to do our desired work and also how to make specific connections to form a working circuit. Workings of a diode like LED's and how a resistor prevents it from fusing off were some of other things I learned.

I observed that how on uploading certain codes into arduino, LED started flashing and observed that codes were very similar to what we do in C programming language.

PROBLEMS AND TROUBLESHOOTING –

I did not face any major problem in this experiment as it was easy to do and understand.

PRECAUTIONS –

Remember to declare port to where arduino is connected to system.

Make sure that all components are working properly like LED used is not fused off.

Make all connections of circuit properly.

LEARNING OUTCOMES –

I acquired knowledge of how a arduino works on uploading certain codes into and now can imagine how it can be used in different scenarios and also understood how to make circuits properly without any loose connections.