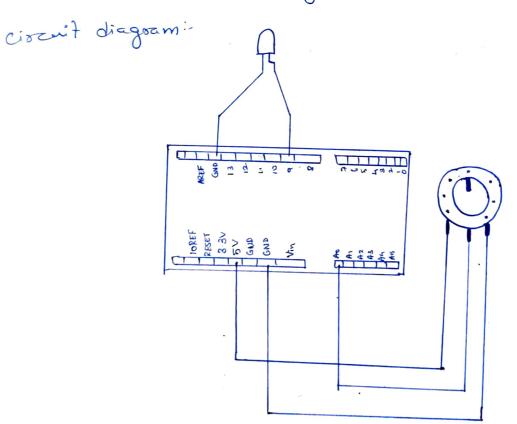
.\fus. ylut ni aliMi yd betoundocyeviuč*

Shiva Praneeth Kodali 1BM18CS100

Program no: 4
Program Title: LED fading
Aim: To demonstrate fading of LED using
Potentionefor.

Circuit Hardware :-

- 1) Arduino Uno board
- 2) potentiometer
- 3) LED
- 4) connecting wises



```
Shiva Proneeth. Kodeli
Code:
                                                1BM12CS100
void setup()
        Serial begin (9600);
        pin Mode (9, OUTPUT);
       void loop
           int analog=analogRead(AO);
            int Dright = map (anclog. 0, 1623, 0, 2 55);
             analoghaik (9, bright);
                 Senal. point ("In analy value");
                 Social. print (analog);
                  Serial . print (" In brightness value");
                   Serial. Print (bright);
```

Observation / output:

Initially the value of analog and brightness is zero. As the potentioneter is toxed up the analog and brightness ralves in one are accordingly Ju max brightness value is 255.