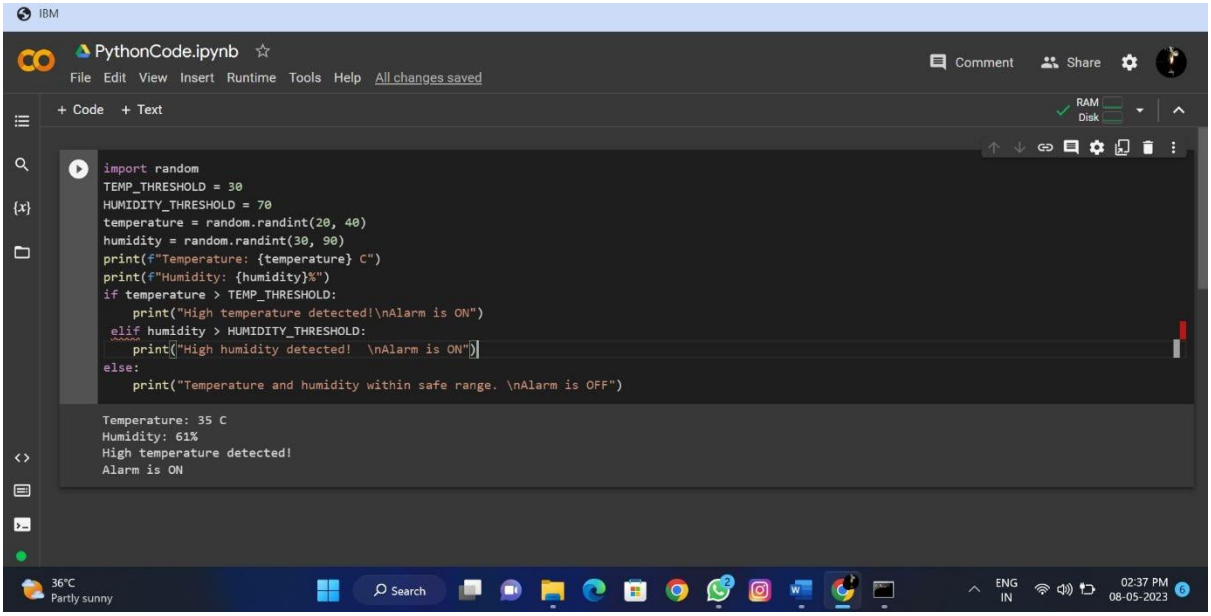
ASSIGNMENT-2

CODING:

```
import random TEMP_THRESHOLD = 30


HUMIDITY_THRESHOLD = 70 temperature = random.randint(20, 40)
humidity = random.randint(30, 90)


print(f"Temperature: {temperature} C") print(f"Humidity: {humidity}%")

if temperature > TEMP_THRESHOLD:  print("High temperature
detected!\nAlarm is ON")  elif humidity > HUMIDITY_THRESHOLD:
   print("High humidity detected!  \nAlarm is ON") else:

print("Temperature and humidity within safe range. \nAlarm is OFF")
```

CIRCUIT DIAGRAM:



OUTPUT: