```
import requests
import time

API_KEY = "YOUR_WEATHER_API_KEY"
BASE_URL = "https://api.openweathermap.org/data/2.5/weather"

# Function to get current weather information
def get_weather_info(city):
    params = {
        "q": city,
        "appid": API_KEY,
        "units": "metric"
    }
    response = requests.get(BASE_URL, params=params)
    weather_data = response.json()
    return weather_data

# Function to control street lights based on weather conditions
def control_street_lights(weather):
    temperature = weather["main"]["temp"]
    if temperature < 10:
        # Turn on bright lights
        print("Turning on bright lights.")
        # Code to control the IoT-based street lights (e.g., send commands to the lights)

    elif temperature >= 10 and temperature < 20:
        # Turn on moderate lights
        print("Turning on moderate lights.")
        # Code to control the IoT-based street lights

    else:
```

```
        # Turn on dim lights
        print("Turning on dim lights.")
        # Code to control the IoT-based street lights

# Main program loop
while True:
    # Get weather information for a specific city (e.g., New York)
    city = "New York"
    weather_info = get_weather_info(city)

    # Control street lights based on weather conditions
    control_street_lights(weather_info)

    # Wait for some time before checking the weather again
    time.sleep(300)  # Wait for 5 minutes
```