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**Section:BSAI 4A** 

**Subject:Programming for AI** 

**LAB TASK 8** 

## **Output ss:**



Thor not only has his own day (Thursday), but a helmet in the heavens. Popularly called Thor's Helmet, NGC 2359 is a hat-shaped cosmic cloud with wing-like appendages. Heroically sized even for a Norse god, Thor's Helmet is about 30 light-years across. In fact, the cosmic head-covering is more like an interstellar bubble, blown by a fast wind from the bright, massive star near the bubble's center. Known as a Wolf-Rayet star, the central star is an extremely hot giant thought to be in a brief, pre-supernova stage of evolution. NGC 2359 is located about 15,000 light-years away toward the constellation of the Great Overdog. This sharp image is a mixed cocktail of data from narrowband filters, capturing not only natural looking stars but details of the nebula's filamentary structures. The star in the center of Thor's Helmet is expected to explode in a spectacular supernova sometime within the next few thousand years.

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## Why and how:

The nasa app is a simple website that displays nasa's astronomy picture of the day which changes every 24 hours. I registered for a free API key from nasa's website which works like a special password to access their data. When someone visits our website, our backend code will send a request to nasa using this api key. It will then respond with information including an image url, title, and explanation about a space photo. The html template will then take this information and display it on the web page which will show the space image, followed by its title, date, and a detailed explanation written by nasa scientists about that specific image. We don't need to store any images ourselves we just need to simply link to nasa's servers through the api key we generated, and our website automatically updates with a new space image every day just like shown in the above picture.