**ApexaiQ Assignment | date: 11/02/2025**

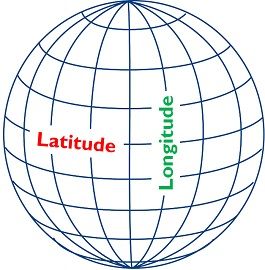
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* What is Geographic Data and How to use it?

**Data**  related to a location on the Earth surface and can often be presented as maps.

It includes **data** related to the **physical feature of earth** that is :-

* **Landforms are** (**mountains​, deserts​, Islands​, valleys, rivers, oceans**​)
* **Attributes are Climate is Cold, Hot, dry, rough.**
* **Phenomena are sunrise, weather, fog and thunder.**
* **Geographic data** is typically **represented** in the form of coordinates, such as **latitude** and **longitude.**



* Latitude means **Horizontal a**nd Longitude means **Vertical.**
* How to Measure Latitude and Longitude:-
* You can use **Google Maps**, Google Earth, or a GPS app to find latitude and longitude.
* **Such example of Mountain data Where they are :--**

**GOAL**

* Himalayas in India and their Range, Latitude, Longitude, First Ascent, Location
* Who was the **first ascent** of a Indian Mountain refers to the **first recorded successful climb** to the summit by a person or a team.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Mountain Name** | **Location** | **Elevation (ft)** | **Mountain Range** | **Latitude** | **Longitude** | **First Ascent** |
| **Kangchenjunga** | India/Nepal | 28169 | Himalayas | 27.7025 | 88.1475 | 1955 (Joe Brown & George Band) |
| **Nanda Devi** | Uttarakhand | 25643 | Himalayas | 30.3753 | 79.9703 | 1936 (Bill Tilman & Noel Odell) |
| **Kamet** | Uttarakhand | 25447 | Himalayas | 30.9206 | 79.5869 | 1931 (Frank Smythe & Team) |
| **Saltoro Kangri** | Jammu & Kashmir | 25403 | Karakoram | 35.42 | 76.8561 | 1962 (Japanese Expedition) |
| **Saser Kangri** | Ladakh | 25170 | Karakoram | 34.8708 | 77.1358 | 1973 (Indian Army Expedition) |
| **Mamostong Kangri** | Ladakh | 24664 | Karakoram | 35.1106 | 77.1731 | 1984 (Indo-Japanese Expedition) |
| **Rimo I** | Ladakh | 24236 | Karakoram | 35.3694 | 77.3611 | 1988 (Indian Expedition) |
| **Hardeol** | Uttarakhand | 23460 | Himalayas | 30.3703 | 80.0269 | 1978 (ITBP Team) |
| **Chaukhamba** | Uttarakhand | 23416 | Himalayas | 30.7303 | 79.2667 | 1952 (Swiss Team) |
| **Trisul** | Uttarakhand | 23362 | Himalayas | 30.3041 | 79.7602 | 1907 (Tom Longstaff) |

* **References of Mountain Data:-**

**Indian Mountaineering Foundation (IMF)** – [indmount.org](https://www.indmount.org)

* **Data about mobile phones :-**

**GOAL**

* The about **Similar price range** with includes Model name, Processor, RAM, Storage, Battery, Camera, Price.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Brand** | **Model** | **Processor** | **RAM (GB)** | **Storage (GB)** | **Battery (MAH)** | **Camera (MP)** | **Price (INR)** | **Features** |
| **Apple** | iPhone 15 | A17 Bionic | 8 | 256 | 3274 | 48+12+12 | 82,917 | * Face ID, * Secure Enclave, * iOS security updates, and privacy |
| **Google** | Pixel 8 Pro | Tensor G3 | 12 | 256 | 5050 | 50+48+48 | 82,917 | * Face ID * ,Fingerprint , * Titan M2 Security Chip , * 5 Years of Security Updates, * Anti-Phishing & Malware Protection |
| **Oppo** | Find X6  Pro | Dimensity 9200 | 16 | 512 | 5000 | 50+50+50 | 82,917 | * **Face Unlock,** * **Standard Warranty:** 1 Year (for the device) * **Accessories Warranty:** 6 Months (charger, battery, and earphones |
| **Vivo** | Vivo X90  Pro | Dimensity 9200 | 12 | 512 | 4870 | 50+50+12 | 82,917 | * **Face Unlock** * **In-Display Fingerprint Scanner** * **Standard Device Warranty:** 1 Year (covers manufacturing defects). * **Accessories Warranty:** 6 Months (charger, battery, and earphones). |

**REFERANCES**

**Amazon –** [**www.amazon.com**](https://www.amazon.com) **/** [**www.amazon.in**](https://www.amazon.in)

**Flipkart –** [**www.flipkart.com**](https://www.flipkart.com)

**Mobile Specification & Price Comparison Websites**:

* **GSMArena** – [gsmarena.com](https://www.gsmarena.com)