TASK NO: 1

TASK NAME: **Data Science Applications Brainstorm**

**1.Health Care : Disease prediction and diagnosis**

Data Science is used in health care by analyzing the patient datas like medical history, lab reports ect, to predict diseases like cancer, diabetes, and heart disease.

**2. Sports Analytics – Player Performance & Game Strategy**

Data Science is used in Sports by analyzing player movements, team strategies, and historical game data to enhance training, predict outcomes, and optimize game plans.

**3. Disaster Management – Early Warning Systems**

Data Science is used in Disaster Management by analyzing seismic activity, climate data, and satellite images to predict natural disasters like earthquakes, floods, and hurricanes.

**4. Entertainment –Audience Analysis & Content Recommendation**

Data science is used in Entertainment by analyzing viewer preferences and streaming behavior to recommend content for user based on the user interest

**5. Agriculture – Precision Farming**

Data science is used in Agriculture by analyzing soil conditions, weather patterns, and crop health using satellite imagery and IoT sensors to optimize irrigation, fertilization, and pest control.