Task 4

ML Problem Types

Marks: 20

Time: 15 minutes

This task is based on your real-world understanding and ability to identify what kind of problem it is. Identify the type of ML problem. Mention whether a problem is Classification / Regression / Clustering / Association / Reinforcement type.

List the type of problem for the problems you specified in Task3 for the following domains

S.No	Healthcare	Type
1.	Early detection of Alzheimer's	Classification
2.	Suggesting the best lifestyle based on the user's history and genetic data	Reinforcement
3.	Wearable Devices and AI to Analyze Activity, History, and Real-Time Data for Preventive Alerts and Early Interventions for blood pressure and diabetes	Regression

S.No	Education	Type
4.	AI-Driven Talent Discovery System Using Genetics, Personal History, Engagement Patterns, and Gamified Assessments (having some games to be more accurate than just tests)	Clustering

S.No	E-Commerce	Type
5.	Using AI to Analyze Reviews and Feedback to Improve products, and Business Decisions	Reinforcement

S.No	Your Problems - Global Warming	Type
6.	AI-Powered Sustainability Advisor: Personalized Insights for Enhancing Well-Being, Reducing Bills, and Minimizing Carbon Footprint	Association
7.	Smart Waste Sorter: AI-Powered App for Scanning Product Barcodes and Suggesting Appropriate Waste Bins to Promote Accurate Waste Disposal at Home, Festivals, and Public Spaces, Reducing Human Error	Classification