**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.**

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| **S.No** | **Healthcare** | **Type** |
| **1.1** | **Cancer Detection** | **Classification** |
| **1.2** | **Room Allocation** | **Clustering** |
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| **S.No** | **Education** | **Type** |
| **2.1** | **Course Outline Completion** | **Regression** |
| **2.2** | **Student Course Outcome** | **Classification** |
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| **S.No** | **Banking** | **Type** |
| **3.1** | **Fraud Detection** | **Reinforcement** |
| **3.2** | **Loan assessment** | **Classification** |
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| **S.No** | **E-Commerce** | **Type** |
| **4.1** | **Product Recommendation** | **Association** |
| **4.2** | **Customer Separator** | **Clustering** |
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| **S.No** | **Your Problems** | **Type** |
| **5.1** | **Route Analyzer (TTC)** | **Regression** |
| **5.2** | **Folder Organizer (pdf, word…etc)** | **Clustering** |
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