**Task 3**

**ML Problem Identification**

**Marks: 20**

**Time: 15 minutes**

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This task is based on your real-world understanding and ability to identify whether a problem can be solved by Machine Learning or not. Identify and fill problems that you feel can be solved with Machine Learning and also mention the difficulty level of solving using Machine Learning, if it can be solved.

**List a set of problems that you think AI/ML can solve in these following domains**

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| **S.No** | **Healthcare** | **Difficulty** |
| **1** | **Diagnosing cancer using medical imaging** | **High** |
| **2** | **Prediction of disease given symptoms** | **Medium** |
| **3** | **Treatment Plan** | **High** |
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| **S.No** | **Education** | **Difficulty** |
| **1** | **School schedule** | **Easy** |
| **2** | **Automated grading** | **Medium** |
| **3** | **Learning recommendations** | **Medium** |
| **4** | **Detecting cheating in online exams** | **High** |
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| **S.No** | **Banking** | **Difficulty** |
| **1** | **Fraud detection** | **High** |
| **2** | **Credit score and loan eligibility** | **Medium** |
| **3** | **Customer churn** | **Medium** |
| **4** | **Market trend and analysis** | **High** |
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| **S.No** | **E-Commerce** | **Difficulty** |
| **1** | **Product recommendation based on purchase history of the customer** | **High** |
| **2** | **Association of products that go together** | **Medium** |
| **3** | **Automated customer service** | **High** |
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| **S.No** | **Your Problems** | **Difficulty** |
| **1** | **Price a car based on features like color, year, etc.** | **Medium** |
| **2** | **Create a meal plan based on dietary restrictions/preference, health goals, and available ingredients** | **High** |
| **3** | **Create a gym workout plan based on fitness goals, experience level** | **High** |
| **4** | **Predict the winner of a certain game based on past results and active squad** | **Medium** |
| **5** | **Crypto trade alerts, based on past trends** | **High** |