**Task 3**

**ML Problem Identification**

**Marks: 20**

**Time: 15 minutes**

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 (0-10)** |
| **1** | **Use personal risk data to filter patience decisions.** | **3** |
| **2** | **Medications can be planned to use genetic information.** | **10** |
| **3** | **Plan medicines to select medication for Chemotherapy.** | **7** |
| **4** | **Plan the dentist's time and precision.** | **5** |
| **5** | **Protect medicine allegy and medication overlap.** | **4** |

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| **S.No** | **Education** | **Difficulty** |
| **1** | **Matching of instructor and student, as well as material kind.** | **7** |
| **2** | **Plan subjects and instruction for students to direct them to a specific career.** | **3** |
| **3** | **Create instructional media that boost student comprehension.** | **10** |
| **4** | **Help students locate scholarships, part-time jobs, and easy jobs across the world by matching them with things they are studying.** | **5** |
| **5** | **Help instructors in developing customized methods for each classroom.** | **10** |

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| **S.No** | **Banking** | **Difficulty** |
| **1** | **Clustering customer credit and plan recommendations to retail and business customers** | **7** |
| **2** | **Increasing the speed with which customers are served to provide seamless and low-cost service.** | **5** |
| **3** | **Predict customer investment plans and financial engineering** | **8** |
| **4** | **To balance a portfolio, conduct an economic and investment product analysis.** | **10** |
| **5** | **Analyze and recommend a problem for the customer's financial statement** | **8** |

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| **S.No** | **E-Commerce** | **Difficulty** |
| **1** | **Predict and recommend products that customers may be interested in and adjust the pricing and timing of sales.** | **8** |
| **2** | **Plan delivery item to client to save time and money.** | **3** |
| **3** | **Organizing customers to change Customized advertisements for each** | **9** |
| **4** | **Create content to increase client interaction.** | **5** |
| **5** | **Collect and analyze customer problems to solve and recommend solutions.** | **2** |

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| **S.No** | **Your Problems** | **Difficulty** |
| **1** | **Help me organize my time and prioritize my to-do list.** | **3** |
| **2** | **Assist me in reducing information and news overlap and summarizing** | **5** |
| **3** | **Every aspect of my income and work-life balance should be improved.** | **8** |
| **4** | **Plan my nutrition and food, as well as your sleep and transportation.** | **2** |
| **5** | **Provide advice on phycology and mental health, as well as lifestyle recommendations.** | **7** |