EXERCISE 1: Simplified Household Survey

Questions to create (10 questions)

SECTION 1: Survey Information

1. **Enumerator name** - Text - Required
2. **Date** - Date - Default value: today()

SECTION 2: Household Head Information

3. **Head of household name** - Text - Required
4. **Number of people in household** - Integer - Required - Constraint: >= 1 and <= 20

SECTION 3: Housing Conditions

5. **Type of housing** - Select one - Choices: Concrete house / Shack / Apartment / Other
6. **Access to drinking water** - Select one - Choices: Yes / No
7. **Source of electricity** - Select multiple - Choices: Electric grid / Solar / Generator / None

SECTION 4: Socio-economic Information

8. **Number of children enrolled in school** - Integer - Not required
9. **Estimated monthly income** - Integer - Not required

SECTION 5: Additional Comments

10. **Observations** - Multiline text - Not required

EXERCISE 2: Training Satisfaction Survey

Questions to create (12 questions)

SECTION 1: General Information

1. **Training date** - Date - Required
2. **Training title** - Select one (Machine Learning, Data Collection and differential equation) - Required
3. **Participant name** - Text - Not required

SECTION 2: Content Evaluation

Use 1-5 scale with "likert" appearance for questions 4-7

- 1 = Strongly disagree
- 2 = Disagree
- 3 = Neutral
- 4 = Agree
- 5 = Strongly agree
4. **Relevance of content** - Select one - Appearance: likert - Required
5. **Clarity of explanations** - Select one - Appearance: likert - Required
6. **Trainer quality** - Select one - Appearance: likert - Required
7. **Appropriate duration** - Select one - Appearance: likert - Required

SECTION 3: Overall Satisfaction

8. **Rating out of 10 (begining)** - Integer - Constraint: >= 0 and <= 10 - Required
9. Rating out of 10 (middle)
10. Rating out of 10 (end)
11. Sum of the ratings
12. Mean of the ratings
13. **Appreciation** - Calculation - Formula: if(${rating} >= 9, "Excellent", if(${rating} >= 7, "Very Good", if(${rating} >= 5, "Good", if(${rating} >= 3, "Fair", "Poor"))))
14. **Would you recommend this training?** - Select one - Choices: Yes / No / Maybe - Required

SECTION 4: Comments and Suggestions

10. **Strengths** - Multiline text - Required
11. **Areas for improvement** - Multiline text - Required
12. **Additional comments** - Multiline text - Not required
13. Files for improvement - file - Not required