# Prison Break

For our Discrete Mathematics class, we were assigned a **show n tell** group activity titled **'Prison Break.**' Each member was given a unique subtopic related to this theme, based on their area of focus within the project. Below are the designated topics for each member, along with our objectives and research criteria.

## Game Theory - Hussnain

### Objectives:

1. To explore and analyze the topic within the 'Prison Break' theme.  
2. To identify key elements that relate to prison escape strategies and theoretical planning.  
3. To prepare insights and present a summary of findings to the group.

### Research Criterion:

1. Strategic Understanding: Understand and analyze escape strategies related to the assigned subtopic.  
2. Theoretical Models: Investigate mathematical or logical models that could apply  
3. Relevant Examples: Use case studies or hypothetical examples to support conclusions.

## Graph Theory - Touheed

### Objectives:

### 1. To explore and analyze the topic within the 'Prison Break' theme. 2. To identify key elements that relate to prison escape strategies and theoretical planning. 3. To prepare insights and present a summary of findings to the group. Research Criterion:

1. Strategic Understanding: Understand and analyze escape strategies related to the assigned

subtopic.

2. Theoretical Models: Investigate mathematical or logical models that could apply.

3. Collaboration: Ensure findings are aligned with the group’s overall theme.  
4. Relevant Examples: Use case studies or hypothetical examples to support conclusions.

## Combination and Permutation - Taha

### Objectives:

### 1. To explore and analyze the topic within the 'Prison Break' theme. 2. To identify key elements that relate to prison escape strategies and theoretical planning. 3. To prepare insights and present a summary of findings to the group. Research Criterion:

1. Strategic Understanding: Understand and analyze escape strategies related to the assigned subtopic.  
2. Theoretical Models: Investigate mathematical or logical models that could apply.

## Sets - Bilawal

### Objectives:

1. To explore and analyze the topic within the 'Prison Break' theme.  
2. To identify key elements that relate to prison escape strategies and theoretical planning.

### Research Criterion:

1. Strategic Understanding: Understand and analyze escape strategies related to the assigned subtopic.  
2. Theoretical Models: Investigate mathematical or logical models that could apply.  
3. Relevant Examples: Use case studies or hypothetical examples to support conclusions.

## Logics - Ibraim

### Objectives:

1. To explore and analyze the topic within the 'Prison Break' theme.  
2. To identify key elements that relate to prison escape strategies and theoretical planning.  
3. To prepare insights and present a summary of findings to the group.

### Research Criterion:

1. Strategic Understanding: Understand and analyze escape strategies related to the assigned subtopic.  
2. Theoretical Models: Investigate mathematical or logical models that could apply.  
  
3. Relevant Examples: Use case studies or hypothetical examples to support conclusions.