Lab1

- Let A = [0]
- $B = \begin{bmatrix} 4 & 0 & 1 \\ 0 & 2 & -1 \end{bmatrix}$
- D=[1 2]

<u>Calculate</u>

- 1. $(DB)^T$
- 2. AD
- 3. $BA + D^T$
- 4. B^TD^T

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1 3 5
• A=[7 2 4]
6 5 1
4 3
• B [2 3]
1 1
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Find

- 1. AB
- A^TB
- 3. Al

- There are 30 students in a class Among them ,8 students are learning both English and French .A total of 18 students are learning English .
- If every student is learning at least one language, how many students are learning French in total?

- Among a group of students ,50 played cricket , 50 played hockey and 40 played volley ball.
- 5 played both cricket and hockey.
- 10 played both hockey and volleyball, 5 cricket and volleyball and 10 played all the 3.
- If every student played at least one game, find the number of students and how many played only cricket, only hockey and only volleyball?

- Among a group of people, 40% liked red, 30% liked blue and 30% liked green. 7% liked both red and green, 5% liked both red and blue, 10% liked both green and blue. If 86% of them liked at least one colour, what percentage of people liked all three?
- Suppose we draw 2 cards out of a deck of 52. What is the probability that both cards are spades?
- An urn contains 5 red and 10 black balls. We draw 2 balls from the urn without replacement. What is the probability that the second ball drawn is red?