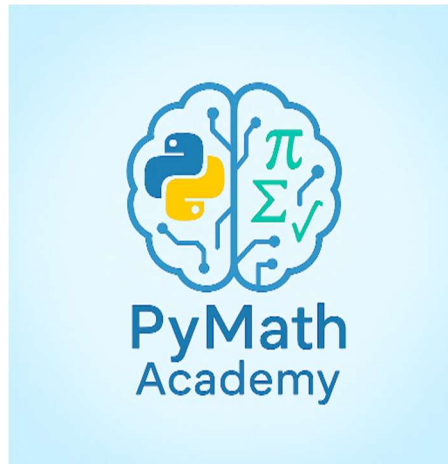


Python Programming Roadmap



Kumar's Classes

Class 8: Mathematics (CBSE)

1. Rational Numbers
 2. Linear Equations in One Variable
 3. Understanding Quadrilaterals
 4. Data Handling
 5. Squares and Square Roots
 6. Cubes and Cube Roots
 7. Comparing Quantities
 8. Algebraic Expressions and Identities
 9. Mensuration
 10. Exponents and Powers
 11. Direct and Inverse Proportions
 12. Factorization
 13. Introduction to Graphs
-

Class 9: Mathematics (CBSE)

1. Unit I – Number Systems — 08 marks

- Real numbers, irrational numbers, operations, laws of exponents

2. Unit II – Algebra — 17 marks

- Polynomials, Factor Theorem, linear equations in two variables

3. Unit III – Coordinate Geometry — 04 marks

- Cartesian plane, plotting points, simple problems

4. Unit IV – Geometry — 28 marks

- Euclid's geometry, lines & angles, triangles, quadrilaterals, circles, constructions

5. Unit V – Mensuration — 13 marks

- Heron's formula, surface areas and volumes

6. Unit VI – Statistics & Probability — 10 marks

- Mean, median, mode, probability basics
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Class 10: Mathematics (CBSE)

1. Unit I – Number Systems — 06 marks

- Real Numbers, Fundamental Theorem of Arithmetic, proofs of irrationality

2. Unit II – Algebra — 20 marks

- Polynomials
- Pair of linear equations in two variables
- Quadratic equations
- Arithmetic progression

3. Unit III – Coordinate Geometry — 06 marks

- Distance formula, section formula, area of a triangle

4. Unit IV – Geometry — 15 marks

- Similar triangles, properties and theorems

5. Unit V – Trigonometry — 12 marks

- Trigonometric ratios and identities
- Heights and distances

6. Unit VI – Mensuration — 10 marks

- Areas related to circles
- Surface areas and volumes

7. Unit VII – Statistics & Probability — 11 marks

- Mean, median, mode
 - Probability basics
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