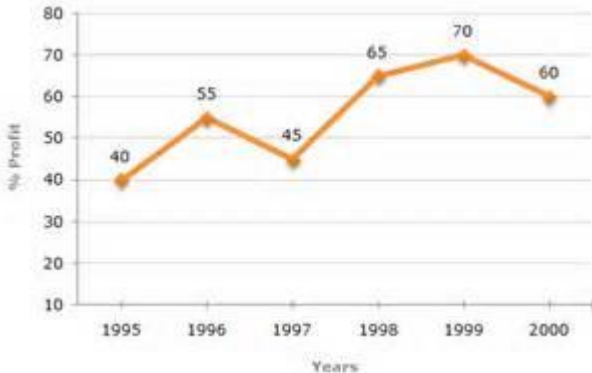


	Basics Programs	
	Line Drawing	
1.	Write a Program for drawing line segment using VECGEN algorithm.	
	Write a Program for drawing line segment using VECGEN algorithm using user defined function draw_dda ().	
	Modify VECGEN algorithm for drawing lines of different styles.	
2.	Write a Program for drawing a line using Bresenham algorithm.	
	Write a Program for drawing a line using Bresenham algorithm using user defined function drawline_bresenham ().	
	Modify Bresenham’s line algorithm for drawing lines of different styles.	
	Circle Drawing	
3.	Write a Program for drawing a circle using circle equation.	
	Write a Program for drawing a circle using parametric form of circle equation.	
4.	Write a Program for drawing a circle using Bresenham’s Circle drawing algorithm.	
	Intermediate Programs	
	Graphics Library	
5.	Write a program to draw basic shapes using graphics library. Draw Circle, Rectangle, Ellipse, Line, Sector, Polygon, etc.	
6.	Write a program that displays some graphics effects using random numbers.	
7.	Write a program to draw a line chart for the sales records of company.	
		
	Modify the program developed above to show sales of multiple products on single chart.	

	<p>Amount in Rs. Crores</p> <p>Years</p> <p>Company X Company Z Company Y</p> <table><thead><tr><th>Year</th><th>Company X</th><th>Company Z</th><th>Company Y</th></tr></thead><tbody><tr><td>1993</td><td>30</td><td>60</td><td>80</td></tr><tr><td>1994</td><td>60</td><td>90</td><td>40</td></tr><tr><td>1995</td><td>40</td><td>120</td><td>60</td></tr><tr><td>1996</td><td>70</td><td>90</td><td>60</td></tr><tr><td>1997</td><td>100</td><td>60</td><td>80</td></tr><tr><td>1998</td><td>50</td><td>80</td><td>100</td></tr><tr><td>1999</td><td>120</td><td>100</td><td>140</td></tr></tbody></table>	Year	Company X	Company Z	Company Y	1993	30	60	80	1994	60	90	40	1995	40	120	60	1996	70	90	60	1997	100	60	80	1998	50	80	100	1999	120	100	140	
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8.	<p>Develop a generalized program to draw a histogram.</p> <p>Histogram of age</p> <p>Frequency</p> <p>age</p> <table><thead><tr><th>age</th><th>Frequency</th></tr></thead><tbody><tr><td>40.3</td><td>4</td></tr><tr><td>41.9</td><td>5</td></tr><tr><td>43.5</td><td>4</td></tr><tr><td>45.1</td><td>5</td></tr><tr><td>46.7</td><td>2</td></tr><tr><td>48.3</td><td>6</td></tr><tr><td>49.9</td><td>4</td></tr><tr><td>51.5</td><td>3</td></tr></tbody></table>	age	Frequency	40.3	4	41.9	5	43.5	4	45.1	5	46.7	2	48.3	6	49.9	4	51.5	3															
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9.	<p>Write a program to create a pie chart using arc as following.</p> <p>Sample Chart</p> <p>Outlook, \$375</p> <p>Excel, \$350</p> <p>Word, \$525</p> <p>Power Point, \$275</p>																																	
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10.	<p>Write a program to display "Graphics" with different styles.</p>																																	