PAGE No.	1.	
DATE	//	

	PROGRAMMING ASSIGNMENT - I		
	V(X) 2 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1		
→	Module 1 - Solution Com		
4 - W			
1.	Given the differential equation dy dx with		
	notulo 2 togs (23/uhom -		
- 1	the initial condition y(0)=1 and the specific time		
	instances = 1,2,6, 7,8,9,11,12,13,14,15,16,17,		
	18, 21, 22 we can solve this equation to find the		
	function y(x). (OP++) viz Br = (+) v		
12	t = (t)=		
Tax.	First, let's solve the differential equation and then		
o de la companya de l	calculate the value of y at each given time instance.		
br	To solve the parametric equations oft) alt) a		
1-100	To solve, the differential equation, we integrate both		
40-	sides with respect to their respective variables:		
	(dy - [22] log. (2)dx		
	sides with respect to their respective variables: $\int dy = \int 2^{\infty} \log_e(2) dx$		
3	Integrating, Character 31 - (1) c		
	$y = 1$ $\int 2^{2} dx = 1$ $\int 2^{2} + C$		
	109(2) 109(2)		
	Now, applying the initial condition y(0)=1:		
	1 - 1 2 2 - 5 + C		
	109(2) 109(2) 1000 -11. 5 =(1) 20.		
	Je - Je -		
	$2 \cdot 1 \cdot (t3); \qquad 2 + -1 = 1$		
	109(2)2 (OP++) 1128V=(+) N		
F-X	(e) II + +) ais 3 k =		
19	C=1-1 (+) 20) - 3/- (+) 4.		
	$\log_{2}(2)^{2}$		

	PAGE No. 2.
	DATE / /
	So, the solution to the differential equation is:
	$y(2) = \frac{2}{\log(2)^2} + \left(\frac{1 - \log(2)^2}{\log(2)^2}\right) = \frac{1}{\log(2)^2}$
Alima	and who distance being all the aft movie .