	6/		caleulatio	n Table	for sing	gle Vav	nable Li		ession	
	2	y	2y	22	7 P.O.S	120	27	$(\overline{\varkappa})^2$	22	
	2	35	70	4	110	Sum	Sum =	4.57	sum	
	4	60	240	16	sum of	ofy	and a	x= 4,57	= 164	18.
	5	20	100	25	all ox	= 330		$(\bar{\chi})$ $=(4.57)$	AVA	
	3	50	150	9	= 32	AVZ	= 1555		T	
	6	502	300	36	$AV \frac{\partial}{\partial x} = \frac{32}{7}$	$=\frac{330}{7}$	= 222.1	4=20.88	5 = 23.4	13
	5	55×	275	25	= 4.57	€47.14				
	7	60	420	49	2 80	200		XI		
S=	32	3 - P	1555	10 M	1 0	F X	X	D+XH	1	
	or t	7		1	24	10		- N	0	4
		Y = 47	.14	11 11	11		11	64	XX XX	
	-	$\bar{x} = 4.57$		7			3		17	

Task 01 $ \gamma = MX + C $ $ C = \overline{\gamma} - M\overline{X} $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$M = \frac{\overline{x} \cdot \overline{y} - \overline{x} \overline{y}}{(\overline{x})^2 - \overline{x}^2}$	$(\overline{x})^2 = 20.885$
215.4298 -2	222·14 X2 = 23.42 23.43
20.000	23.12
$= \frac{-6.7102}{-2.545}$	25 60 60 50 50 T 860 85 T TOWN
M = 4.2.6366 $M = 2.6366$	24 000 000 1000 1000 1000 1000 1000 1000
$e = \overline{Y} - M\overline{X}$ $= 47.14 - (2.636)$	
× = + 35.09 1	66 x 4.57) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
235.0907	27 0 20 01 + 10 3

	55	19.1	20 HOST 19	Cally Fran
prediction	M=2.60	lorg loss tall	1 0	Call Tost
Y = MX + Y = (2.63) $Y = 50.9$	c 66 × 6) + 35.090	7 28	2	-ohots
E 0582. P/	10= 2.6366× + 35.0907	209 /4 - A	4	See See
+e#S.85-	1400.01		824·	192
E	Yp = 43.0005	60 05	3	
2010.0-		SO JAM	7 2	
	Yp = 48, 2737	75	86996	
	Yp= 53.5469	60	F	
6.4531	Cortina			

Py	SK 02  Weight (x)	25	predicted value Re	25.0907 30 Call 79.71 May 2011 70.31	
	4		$Y_{p} = 2.6366 \times 4 $ $+ 35.0907 $ $= 45.6371$	4.3629	
	5	20	Yp= 48.2737	-28.2737	
	3	50	Yp= 43.0005	The state of the s	
	6	50	Yp = 50.9103	-0.9103	
	5	55	Yp= 48.2737	6.7263	
	7	60	Yp= 53.546	9 6.4531	
		*			

Task 03 Mean squared Ennon(MSE) Ms Mean squared Ennon(MSE)	can Absolute Error (MAE) Call Total
E MSE = 1 2 (Y- TP)	MAE = $\frac{1}{n} \sum_{p=1}^{n}  Y_i - Y_{pi} $ Call
$E = \frac{(14.3629)^{2} + (-28.2737)^{2}}{(-0.9103)^{2}}$	$n = 7$ $\sum_{i=1}^{n}  Y_i - Y_{pi}  = 5.3639$ $+ 14.3629 + 28.2737$ $+ 0.9103$
= 28.77 + 206.29 $= 48.93 + 0.8286$	+6.9999 + 6.4531 + 6.7263 + 6.4531 = 69.0897
$\begin{array}{r} +799.40 \\ +45.24 + 41.64 \\ = 1171.0986 \\ \hline                                  $	$MAE = \frac{69.0897}{7}$
MSE = 7	= 9.86996
= 167.2998	