

Tabela não normalizada – Chamadas Telefônicas

NumChamada	CodCliente	NomeCliente	NumLinha	TorreProx	DataInicio	DataFinal	HoraInicio	HoraFinal	LinhaChamada
1	1	João	92345678	115	12/10/2018	12/10/2018	14:32:44	14:34:34	92360873
2	2	Maria	92360873	142	12/10/2018	12/10/2018	15:00:23	15:10:48	92345678
3	3	Pedro	92360523	115	12/10/2018	12/10/2018	15:00:25	15:00:59	87585410
4	1	João	87565410	179	12/10/2018	12/10/2018	16:15:14	16:34:55	99568956
5	3	Pedro	86532520	148	12/10/2018	12/10/2018	20:05:54	20:15:58	99665522
6	4	Antônio	76459652	184	12/10/2018	12/10/2018	22:53:08	23:07:14	93748596
7	2	Maria	92360873	165	12/10/2018	13/10/2018	23:55:41	00:15:47	92345678
8	4	Antônio	76459652	132	13/10/2018	13/10/2018	00:10:09	00:11:58	92360873
9	3	Pedro	86532520	195	13/10/2018	13/10/2018	00:15:55	00:30:12	87968003
10	1	João	92345678	199	13/10/2018	13/10/2018	00:20:12	00:22:44	54986230
11	1	João	92345678	141	13/10/2018	13/10/2018	00:30:50	00:35:35	55887744

12	2	Maria	92360873	167	13/10/2018	13/10/2018	00:48:12	00:59:16	37473949
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1FN	1FN	1FN	1FN	1FN	1FN	1FN	1FN	1FN	1FN	1FN	1FN	1FN	
1FN – Chamadas Telefônicas											Tabela Cliente_Telefone		
NumChamada	CodCliente	NomeCliente	NumLinha	TorreProx	DataInicio	DataFinal	Horainicio	HoraFinal	LinhaChamada		NumLinha	CodCliente	
1	1	João	92345678	115	12/10/2018	12/10/2018	14:32:44	14:34:34	92360873		92345678	1	
2	2	Maria	92360873	142	12/10/2018	12/10/2018	15:00:23	15:10:48	92345678		92360873	2	
3	3	Pedro	92360523	115	12/10/2018	12/10/2018	15:00:25	15:00:59	87585410		92360523	3	
4	1	João	87565410	179	12/10/2018	12/10/2018	16:15:14	16:34:55	99568956		87565410	1	
5	3	Pedro	86532520	148	12/10/2018	12/10/2018	20:05:54	20:15:58	99665522		86532520	3	
6	4	Antônio	76459652	184	12/10/2018	12/10/2018	22:53:08	23:07:14	93748596		76459652	4	
7	2	Maria	92360873	165	12/10/2018	13/10/2018	23:55:41	00:15:47	92345678				
8	4	Antônio	76459652	132	13/10/2018	13/10/2018	00:10:09	00:11:58	92360873				
9	3	Pedro	86532520	195	13/10/2018	13/10/2018	00:15:55	00:30:12	87968003				
10	1	João	92345678	199	13/10/2018	13/10/2018	00:20:12	00:22:44	54986230				
11	1	João	92345678	141	13/10/2018	13/10/2018	00:30:50	00:35:35	55887744				
12	2	Maria	92360873	167	13/10/2018	13/10/2018	00:48:12	00:59:16	37473949				

2FN	2FN	2FN	2FN	2FN	2FN	2FN	2FN	2FN	2FN	2FN	2FN	2FN	2FN	2FN
1FN – Chamadas Telefônicas									Tabela Cliente_Telefone			Tabela Cliente		
NumChamada	NumLinha	TorreProx	DataInicio	DataFinal	HoraInicio	HoraFinal	LinhaChamada		NumLinha	CodCliente		CodCliente	NomeCliente	
1	92345678	115	12/10/2018	12/10/2018	14:32:44	14:34:34	92360873		92345678	1		1	João	
2	92360873	142	12/10/2018	12/10/2018	15:00:23	15:10:48	92345678		92360873	2		2	Maria	
3	92360523	115	12/10/2018	12/10/2018	15:00:25	15:00:59	87585410		92360523	3		3	Pedro	
4	87565410	179	12/10/2018	12/10/2018	16:15:14	16:34:55	99568956		87565410	1		4	Antônio	
5	86532520	148	12/10/2018	12/10/2018	20:05:54	20:15:58	99665522		86532520	3				
6	76459652	184	12/10/2018	12/10/2018	22:53:08	23:07:14	93748596		76459652	4				
7	92360873	165	12/10/2018	13/10/2018	23:55:41	00:15:47	92345678							
8	76459652	132	13/10/2018	13/10/2018	00:10:09	00:11:58	92360873							
9	86532520	195	13/10/2018	13/10/2018	00:15:55	00:30:12	87968003							
10	92345678	199	13/10/2018	13/10/2018	00:20:12	00:22:44	54986230							
11	92345678	141	13/10/2018	13/10/2018	00:30:50	00:35:35	55887744							
12	92360873	167	13/10/2018	13/10/2018	00:48:12	00:59:16	37473949							