

## 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

## 1FN

### 1FN – 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
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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

### Tabela Cliente\_Telefone

NumLinha	CodCliente
92345678	1
92360873	2
92360523	3
87565410	1
86532520	3
76459652	4

## 2FN

1FN – Chamadas Telefônicas

NumChamada	NumLinha	TorreProx	DataInicio	DataFinal	HoraInicio	HoraFinal	LinhaChamada
1	92345678	115	12/10/2018	12/10/2018	14:32:44	14:34:34	92360873
2	92360873	142	12/10/2018	12/10/2018	15:00:23	15:10:48	92345678
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Tabela Cliente

CodCliente	NomeCliente
1	João
2	Maria
3	Pedro
4	Antônio

## 3FN

1FN – Chamadas Telefônicas

NumChamada	NumLinha	TorreProx	DataInicio	DataFinal	Horainicio	HoraFinal	LinhaChamada
1	92345678	115	12/10/2018	12/10/2018	14:32:44	14:34:34	92360873
2	92360873	142	12/10/2018	12/10/2018	15:00:23	15:10:48	92345678
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Tabela Cliente

CodCliente	NomeCliente
1	João
2	Maria
3	Pedro
4	Antônio

Tabela Torre

NumTorre	NomeTorre
115	Taioaba
132	Pantanal
141	São Francisco
142	Águia de Haia
148	SESC Itaquera
165	Estância Cantareira
167	Santa Helena
179	São Miguel
184	Sítio Quero-Quero
195	25 de Março
199	Lagoinha

## DER – Chamadas Telefônicas

