

#### 1.4 Homework

Tools required for various operations in different processes in FMS cell are provided in Prog\_Tool data file (Table) as follows:

Prognose	T1	T2	T3	T4	T5	T6
BORE3	T7658	T3522	T5618	T4422	T6755	T3416
MILL1	T8912	T7655	T8124	T3649	T1661	T1332
MILL21	T5543	T8987	T4553	T8906	T1122	T5564

From the FMS Tools DataBase, design the following queries:

- 1) Design a query using expression builder to find magazines as well as machine cells where tools required for 4<sup>th</sup> operation of all processes are present?
- 2) Design a query using expression builder to find magazines as well as machine cells where tools required for 6<sup>th</sup> operation of all processes are present?
- 3) Design a query using expression builder to find magazines as well as machine cells where tools required for 1<sup>st</sup> and 2<sup>nd</sup> operations of all processes are present?
- 4) Design a query using expression builder to find magazines as well as machine cells where tools required for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> operations of all processes are present?
- 5) Design a query using expression builder to find magazines as well as machine cells where tools required for 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> operations of all processes are present?