Examine the following scenario and the proposed table of data carefully:

Jeppe Quondam Athletics Section has a running club with many members. For each member, the club stores the person's name and age.

Each member runs with a running 'school' according to their ability. There are four 'schools', namely the 'A' school, the 'Intermediate' school, the 'B' school and 'Andy's' school. Each school runs at a different pace. The 'A' school runs at 5mins/km, the 'Intermediate' school runs at 5.5mins/km, the 'B' school runs at 6mins/km and 'Andy's' school runs at 6.5mins/km. Each school has a captain who is also a member of the club. The runners in the club enter and run many races.

The club stores all the races a runner has entered and the finishing time for each race. The races all have specific distances, such as 5km, 10km 15km, 21.1km (half marathon), 42.2km (marathon), 56 (ultra) and so on. Each race has a name, a date and a distance.

The club secretary has been using a Spreadsheet to capture all the data. Her spreadsheet looks like this:

<table>
<thead>
<tr>
<th>Name</th>
<th>Age</th>
<th>School</th>
<th>SchCapt</th>
<th>Pace</th>
<th>RaceName</th>
<th>Distance</th>
<th>Date</th>
<th>FinishTime</th>
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<tbody>
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</tbody>
</table>

1. What normal form is this table in? Justify your answer. (2)
2. What is the difference between a primary key and a foreign key? (2)
3. What is the difference between a compound key and a concatenated key? (1)
4. Identify a suitable primary key for the table. (3)
5. Identify the partial dependencies that exist in this table. (7)
6. Describe the conditions that need to be met in order for a table to be in 3NF? (3)
7. Normalise this table to 3NF. (4)

TOTAL: [22]