WHAT IS CLAIMED IS:

1. A computer-implemented method, comprising:

   constructing a minimum perfect hash (MPH)-based database file for use in an MPH-based database;

   generating an MPH-based record for the MPH-based database file;

   generating, based on an MPH function and MPH-based parameters, an MPH-based position index that maps to the MPH-based record; and

   utilizing the MPH-based position index to access the MPH-based record in the MPH database.

2. The computer-implemented method of claim 1, wherein:

   the MPH-based parameters include a key and a record size parameter.

3. The computer-implemented method of claim 2, wherein:

   the MPH-based position index is generated by multiplying an output of an MPH function by the record size parameter.

4. The computer-implemented method of claim 3, wherein:

   the MPH function receives the key of the MPH-based parameters as input to the MPH function.

5. The computer-implemented method of claim 4, wherein:

   the MPH function is at least one of a BMZ MPH function, a BMZ8 MPH function, a CHM MPH function, a BRZ MPH function, an FCH MPH function, a BDZ MPH function, and a CHD MPH function.

6. The computer-implemented method of claim 5, further comprising:

   moving to a record location indicated by the MPH-based position index.

7. The computer-implemented method of claim 6, further comprising:

writing the MPH-based record to the record location indicated by the MPH-based position index.

8. The computer-implemented method of claim 7, further comprising:

constructing the MPH-based database using the MPH-based database file.

9. A system, comprising:

a processor; and

a non-transitory computer readable medium coupled to the processor, the non-transitory computer readable medium comprising code that:

constructs a minimum perfect hash (MPH)-based database file for use in an MPH-based database;

generates an MPH-based record for the MPH-based database file;

generates, based on an MPH function and MPH-based parameters, an MPH-based position index that maps to the MPH-based record; and

utilizes the MPH-based position index to access the MPH-based record in the MPH database.

10. The system of claim 9, wherein:

the MPH-based parameters include a key and a record size parameter.

11. The system of claim 10, wherein the non-transitory computer readable medium further comprises code that:

generates the MPH-based position index by multiplying an output of an MPH function by the record size parameter.

12. The system of claim 11, wherein:

the MPH function receives the key as input to the MPH function.

13. The system of claim 12, wherein:

the MPH function is at least one of a BMZ MPH function, a BMZ8 MPH function, a CHM MPH function, a BRZ MPH function, an FCH MPH function, a BDZ MPH function, and a CHD MPH function.

14. The system of claim 13, wherein the non-transitory computer readable medium further comprises code that:

moves to a location indicated by the MPH-based position index.

15. The system of claim 14, wherein the non-transitory computer readable medium further comprises code that:

writes the MPH-based record to the location indicated by the MPH-based position index.