

<i>AddBirthday</i> <i>AddBirthday</i> – <i>OK</i> \vee <i>AddBirthday</i> – <i>Redundance</i>
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<i>AddBirthday</i> – <i>OK</i> $\Delta Stack$ $name? : NAME$ $date? : DATE$
$name? \notin known$ $birthday' = birthday \cup \{name? \mapsto date\}$

<i>AddBirthday</i> – <i>Redundance</i> $\Delta Stack$ $name? : NAME$ $date? : DATE$ $r! : seq\ CHAR$
$name? \in known$ $r! = \text{“Name already exists in Database, choose a different one!”}$

<i>FindBirthday</i> <i>FindBirthday</i> – <i>OK</i> \vee <i>BirthdayNotFound</i>

<i>FindBirthday</i> – <i>OK</i> $\Xi Stack$ $name? : NAME$ $date! : DATE$
$name? \in known$ $date! = birthday(name?)$

<i>BirthdayNotFound</i> $\Xi Stack$ $name? : NAME$ $r! : seq\ CHAR$
$name? \notin known$ $r! = \text{“Name not found!”}$