



4.3.3 Exception Handling

Computer Science (9608)

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5 Data about sports club members are stored in a random file of records.

- The key field of a member record is the member ID (range 1000 to 9999).
- Other member data are stored.
- A hashing function is used to calculate a record address.
- The random file initially consists of dummy records.
- Dummy records are shown by member ID set to 0.

```
FUNCTION Hash(MemberID : INTEGER) RETURNS INTEGER
  Address ← MemberID MOD 100
  RETURN Address
ENDFUNCTION
```

(b) (ii) Before records can be saved to the file MembershipFile, the file needs to be opened.

Complete the pseudocode.

```
01 TRY
02   OPENFILE ..... FOR RANDOM
03 EXCEPT
04 .....
05 ENDTRY
```

[2]

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6 A company keeps details of its stock items in a file of records, StockFile.

(b) Before records can be read from file StockFile, the file needs to be opened.

(i) Complete the pseudocode.

```
01 TRY
02 OPENFILE .....
03 EXCEPT
04 .....
05 ENDTRY
```

[2]

(ii) Explain the reason for including lines 01, 03, 04, 05.

[2]

