

Intro to Databases

Sample Exam Questions - Set 1

A library uses a database table, GENRE, to keep a record of the number of books it has in each genre. Here is a sample of the database:

ID	GenreName	Total	Available	Loaned	Overdue
ABI	Autobiography	500	250	250	20
BIO	Biography	650	400	250	0
EDU	Education	20200	10000	10200	1250
FAN	Fantasy	1575	500	1075	13
GFI	General Fiction	35253	23520	11733	0
GNF	General Non-Fiction	25200	12020	13180	0
HFI	Historical Fiction	6300	3500	2800	0
HNF	Historical Non-Fiction	8000	1523	6477	0
HUM	Humour	13500	9580	3920	46
MYS	Mystery	26000	13269	12731	0
PFI	Political Fiction	23561	10523	13038	500
PNF	Political Non-Fiction	1823	750	1073	23
REF	Reference	374	374	0	0
ROM	Romance	18269	16800	1469	0
SAT	Satirical	23567	12500	11067	0
SCF	Science Fiction	36025	25000	11025	0
SPO	Sport	45720	32687	13033	3256
THR	Thriller	86000	46859	39141	0

1. How many records are in the sample table GENRE? [1]
2. What is the datatype of the GenreName field? [1]
3. How many fields are in the sample table GENRE? [1]

4. Why would the ID field be considered a good choice for the Primary Key field in the
GENRE table? [1]

5. State the output of the following SQL query: [2]

```
SELECT GenreName, Overdue  
FROM GENRE  
WHERE Total > 30000 and Overdue = 0  
ORDER By Total DESC
```

6. Write an SQL query that will output a count of how many records do not have the word
"Fiction" in the GenreName field. [3]