

## **10 queries from 3rd deliverable outputs through Database GUI (outputs at the bottom)**

### **1) Average Age of Library Members**

Select avg(Age) as average\_age from library\_member

### **2) How many members are above 20 years of age**

Select count(Age) as Over\_20 from library\_member where Age > 20;

### **3) How many members are male**

Select count(Gender) as number\_of\_men from library\_member where Gender = 'M';

### **4) What form of the book shows up in the database the most?**

Select form\_name as most\_form from form as t where t.form\_ID = (select max(distinct(form\_ID)) from book);

### **5) What books are in the genre “romance”?**

Select book\_name as Romance\_Books from books where genre = "Romance";

### **6) How many books did user 104275 borrow?**

Select count(Book\_ID) as books\_borrowed from borrowed where user\_ID = 104275;

### **7) What book was written by author 3641?**

Select book\_name as book\_written\_by\_author from book where author\_ID = 3641;

### **8) How many books are not being borrowed?**

Select count(isBorrowed) from book where isBorrowed = "No"

### **9) Total books available**

Select sum(copies\_available) from book

### **10) Percentage of number of books in each genre in the database**

SELECT genre, (COUNT(genre)/(SELECT COUNT(\*) FROM book)) \* 100 AS PERCENTAGE  
FROM book GROUP BY genre ORDER BY PERCENTAGE DESC

OUTPUTS(1-5 at the top, 6-10 at the bottom)

