1. Fines owed by each member (Daily fine rate: $0.25 per day)

```
(1, 'Elizabeth Q Brown', 129.2663296700921)
(2, 'Benjamin T Green', 18.315318680368364)
(3, 'Linda T Williams', 0.5326593401841819)
(4, 'James H Jackson', 166.53265934018418)
(5, 'Daniel D White', 0.26632967009209096)
(6, 'Charlotte B Gonzalez', 143.78265934018418)
(7, 'William I Hall', 127.03265934018418)
(8, 'Linda F Martin', 119.83164835046045)
(9, 'Chloe I Thomas', 94.29898901027627)
(11, 'Matthew F Lee', 50.76632967009209)
(12, 'Matthew U Hall', 133.0163296700921)
(13, 'James B Perez', 16.76632967009209)
(14, 'Sophia L Taylor', 126.51632967009209)
(15, 'Mary L Thompson', 0.03265934018418193)
(17, 'Ethan H Anderson', 0.26632967009209096)
(18, 'Mary F Thomas', 0.016329670092090964)
(22, 'Liam U Harris', 119.04898901027627)
(23, 'Jackson B Thomas', 337.0326593401842)
(26, 'Mason M Scott', 142.5163296700921)
(28, 'Benjamin U Gonzalez', 137.06531868036836)
(29, 'Michael J King', 87.26632967009209)
(30, 'Olivia K Anderson', 5.766329670092091)
(32, 'Michael Z Lee', 25.26632967009209)
(34, 'Avery C Anderson', 220.53265934018418)
(37, 'Matthew Q Garcia', 200.04898901027627)
(39, 'Emma C White', 0.26632967009209096)
(40, 'Benjamin W White', 177.56531868036836)
(41, 'Olivia O Miller', 53.03265934018418)
(43, 'Isabella X Scott', 95.51632967009209)
(44, 'Patricia V Young', 53.29898901027627)
(45, 'John P Garcia', 29.282659340184182)
(46, 'Mason T Perez', 211.54898901027627)
(47, 'Liam B Lee', 310.5489890102763)
(48, 'Benjamin Y Thomas', 232.53265934018418)
(50, 'Daniel Lee', 140.2663296700921)
(51, 'Elizabeth Q Clark', 137.7663296700921)
(52, 'Mason F Perez', 0.016329670092090964)
(53, 'Michael Q White', 0.016329670092090964)
(54, 'Chloe A Smith', 138.5163296700921)
(55, 'Ethan Y Allen', 137.0163296700921)
(56, 'Jackson A Rodriguez', 0.016329670092090964)
(58, 'Harper R Thompson', 250.28265934018418)
(60, 'Jennifer G Miller', 109.53265934018418)
(61, 'Joshua Q Harris', 0.016329670092090964)
(62, 'Sophia C Jones', 160.0163296700921)
(63, 'Linda G Thomas', 260.56531868036836)
```

```
(64, 'Liam U King', 0.016329670092090964)
(65, 'James O Jones', 117.53265934018418)
(66, 'Amelia L Allen', 157.2663296700921)
(68, 'Sophia White', 193.81531868036836)
(69, 'Isabella P Williams', 159.7663296700921)
(70, 'Chloe A Jones', 152.03265934018418)
(71, 'David Q Taylor', 197.54898901027627)
(73, 'Henry X Garcia', 129.03265934018418)
(75, 'David W Lewis', 0.016329670092090964)
(76, 'Joshua U Miller', 56.76632967009209)
(78, 'Linda Q White', 0.26632967009209096)
(80, 'Ethan W Walker', 279.81531868036836)
(82, 'Joshua T Scott', 320.7989890102763)
(83, 'Linda K Lee', 274.2989890102763)
(85, 'Benjamin Y Harris', 0.016329670092090964)
(86, 'Mason B Williams', 0.26632967009209096)
(87, 'Ethan D Harris', 257.2989890102763)
(88, 'Jackson Z Young', 0.26632967009209096)
(89, 'Elizabeth G Miller', 26.798989010276273)
(90, 'John B Hall', 48.78265934018418)
(91, 'Amelia B Taylor', 377.0489890102763)
(93, 'Robert J Young', 154.78265934018418)
(94, 'Daniel I Miller', 154.54898901027627)
(96, 'Daniel F Lewis', 54.331648350460455)
(97, 'John D Williams', 115.28265934018418)
(98, 'Matthew S Jackson', 45.01632967009209)
(100, 'Olivia C Thomas', 69.53265934018418)
```

2. Physical Book, eBook, and Audiobook Availability (Genre: Mystery)

```
Enter SQL query or custom command ('help' for commands, or 'quit' to exit): SELECT      pb.Title, pb.Genre, 'Ph
.ResourceID WHERE      r.AvailabilityStatus = 1      AND pb.Genre = 'Mystery' UNION SELECT      eb.Title, eb.Genr
ID WHERE      r.AvailabilityStatus = 1      AND eb.Genre = 'Mystery' UNION SELECT      ab.Title, ab.Genre, 'Audi
ID WHERE      r.AvailabilityStatus = 1      AND ab.Genre = 'Mystery';
('The Endless Hope', 'Mystery', 'PhysicalBook')
('The Shimmering Tale', 'Mystery', 'AudioBook')
('The Wicked Rise', 'Mystery', 'AudioBook')
```

3. Top 10 Frequent Borrowers of Crime in the last year in Physical Books, eBooks, and Audiobooks combined

```
Enter SQL query or custom command ('help' for commands, or 'quit' to exit): SELECT    m.MemberID,
emberID JOIN     (SELECT ResourceID FROM PhysicalBook WHERE Genre = 'Crime'     UNION    SELECT
 = 'Crime') r ON b.ResourceID = r.ResourceID WHERE    b.CheckoutDate >= DATE('now', '-1 year') GROU
(68, 'Sophia White', 3)
(71, 'David Q Taylor', 3)
(86, 'Mason B Williams', 3)
(87, 'Ethan D Harris', 3)
(10, 'Patricia Lewis', 2)
(24, 'Mary B Scott', 2)
(28, 'Benjamin U Gonzalez', 2)
(29, 'Michael J King', 2)
(40, 'Benjamin T White', 2)
(44, 'Patricia V Young', 2)
```

4. Sort Books Due Soon in a Week

```
Enter SQL query or custom command ('help' for commands, or 'quit' to exit): SELECT
OM    BorrowLog b JOIN    Member m ON b.MemberID = m.MemberID JOIN    (SELECT Res
Title FROM Audiobook) r ON b.ResourceID = r.ResourceID WHERE    b.CheckinDate IS NU
    DueDate ASC;
('The Epic Victory', 'Mason F Perez', '2024-11-18', '2024-12-09')
('The Endless Phoenix', 'Benjamin Y Harris', '2024-11-12', '2024-12-09')
('The Serene Quest', 'Robert J Young', '2024-11-30', '2024-12-09')
('The Radiant Arcadia', 'Daniel F Lewis', '2024-11-17', '2024-12-09')
('The Glimmering Triumph', 'Ethan W Walker', '2024-11-13', '2024-12-09')
('The Shimmering Empire', 'David Q Taylor', '2024-12-01', '2024-12-09')
('The Sublime Freedom', 'Joshua Q Harris', '2024-11-29', '2024-12-09')
('The Hidden Vengeance', 'Benjamin T White', '2024-11-19', '2024-12-09')
('The Silent Terror', 'Sophia White', '2024-12-02', '2024-12-09')
('The Lurking Phoenix', 'Mary L Thompson', '2024-11-25', '2024-12-09')
('The Lurking Fate', 'Chloe I Thomas', '2024-11-20', '2024-12-09')
('The Cavernous Mystery', 'Jennifer G Miller', '2024-11-22', '2024-12-09')
('The Shimmering Empire', 'Daniel I Miller', '2024-12-01', '2024-12-09')
('The Lost Shadow', 'Elizabeth Q Brown', '2024-11-11', '2024-12-10')
('The Glimmering Path', 'David Q Taylor', '2024-11-26', '2024-12-10')
('The Radiant Arcadia', 'Daniel I Miller', '2024-11-21', '2024-12-10')
('The Mystic Fate', 'Olivia C Thomas', '2024-12-02', '2024-12-10')
('The Majestic Endeavor', 'James H Jackson', '2024-11-29', '2024-12-10')
('The Sublime Terror', 'Isabella P Williams', '2024-12-01', '2024-12-10')
('The Glimmering Legend', 'Daniel Lee', '2024-11-12', '2024-12-10')
('The Ancient Endeavor', 'Elizabeth Q Brown', '2024-11-23', '2024-12-10')
('The Lost Power', 'James O Jones', '2024-12-01', '2024-12-10')
('The Sacred Destiny', 'Liam U King', '2024-11-25', '2024-12-10')
('The Whispering Chronicles', 'Sophia C Jones', '2024-12-03', '2024-12-10')
('The Forgotten Vow', 'Benjamin Y Thomas', '2024-11-14', '2024-12-10')
('The Fiery Tale', 'Sophia White', '2024-11-25', '2024-12-10')
('The Silent Quest', 'Daniel I Miller', '2024-12-03', '2024-12-10')
('The Fiery Hope', 'Olivia L Green', '2024-11-13', '2024-12-10')
('The Frosted Terror', 'Sophia V King', '2024-11-11', '2024-12-11')
('The Blazing Phoenix', 'James H Jackson', '2024-11-24', '2024-12-11')
('The Mighty Enigma', 'Olivia F Rodriguez', '2024-12-03', '2024-12-11')
('The Silent Triumph', 'Benjamin F Thompson', '2024-11-17', '2024-12-11')
('The Crimson Valor', 'Henry X Garcia', '2024-11-30', '2024-12-11')
('The Timeless Light', 'Linda F Martin', '2024-11-22', '2024-12-11')
('The Silent Freedom', 'Sophia V King', '2024-11-23', '2024-12-11')
('The Epic Dream', 'Sophia V King', '2024-11-29', '2024-12-12')
('The Enchanted Chronicles', 'Benjamin A Allen', '2024-11-21', '2024-12-12')
('The Hidden Storm', 'Emma R Perez', '2024-12-03', '2024-12-12')
('The Shimmering Darkness', 'David E White', '2024-11-17', '2024-12-12')
('The Crimson Vow', 'Linda K Lee', '2024-11-16', '2024-12-12')
('The Ancient Wings', 'Michael J King', '2024-12-04', '2024-12-12')
```

```
('The Unspoken Phoenix', 'Daniel I Miller', '2024-12-02', '2024-12-12')
('The Celestial Destiny', 'Harper R Thompson', '2024-11-28', '2024-12-12')
('The Hidden Legend', 'Benjamin T Green', '2024-11-29', '2024-12-12')
('The Luminous Secret', 'Mary F Thomas', '2024-12-01', '2024-12-12')
('The Burnished Revenge', 'William I Hall', '2024-11-20', '2024-12-12')
('The Fragrant Revenge', 'Benjamin U Gonzalez', '2024-11-29', '2024-12-12')
('The Sacred Destiny', 'Joshua K Garcia', '2024-11-14', '2024-12-12')
('The Fierce Enigma', 'Benjamin T White', '2024-11-13', '2024-12-12')
('The Broken Arcadia', 'John B Hall', '2024-11-23', '2024-12-12')
('The Eternal Conquest', 'Matthew Q Garcia', '2024-11-27', '2024-12-12')
('The Sublime Kingdom', 'Emma C White', '2024-12-05', '2024-12-12')
('The Lurking Throne', 'Daniel I Miller', '2024-11-12', '2024-12-12')
('The Blazing Heart', 'Benjamin Y Harris', '2024-11-21', '2024-12-12')
('The Ancient Secret', 'Daniel Lee', '2024-11-22', '2024-12-12')
('The Hidden Legend', 'Benjamin H Scott', '2024-11-30', '2024-12-13')
('The Unspoken Phoenix', 'Benjamin Y Thomas', '2024-11-27', '2024-12-13')
('The Arcane Odyssey', 'Charlotte B Gonzalez', '2024-12-02', '2024-12-13')
('The Enchanted Chronicles', 'Emma T Green', '2024-11-28', '2024-12-13')
('The Eternal Freedom', 'Mason B Williams', '2024-11-29', '2024-12-13')
('The Sacred Terror', 'Linda T Williams', '2024-11-25', '2024-12-13')
('The Forsaken Terror', 'Jackson Z Young', '2024-12-06', '2024-12-13')
('The Ancient Journey', 'Lucas Harris', '2024-11-29', '2024-12-13')
('The Burnished Fate', 'Mason T Perez', '2024-11-22', '2024-12-13')
('The Silent Legend', 'Mason F Perez', '2024-11-27', '2024-12-13')
('The Ancient Endeavor', 'Avery C Anderson', '2024-12-05', '2024-12-13')
('The Hidden Legend', 'Linda G Thomas', '2024-11-28', '2024-12-13')
('The Cursed Destiny', 'James O Jones', '2024-12-03', '2024-12-13')
('The Haunting Empire', 'Amelia B Taylor', '2024-12-01', '2024-12-13')
('The Majestic Wings', 'Harper R Thompson', '2024-12-06', '2024-12-13')
('The Ancient Chronicles', 'Daniel I Miller', '2024-12-03', '2024-12-13')
('The Glimmering Triumph', 'Joshua F King', '2024-11-20', '2024-12-13')
('The Forgotten Mystery', 'Daniel I Miller', '2024-11-14', '2024-12-13')
('The Luminous Secret', 'William H Miller', '2024-12-02', '2024-12-14')
('The Whispering Arcadia', 'Daniel D White', '2024-12-02', '2024-12-14')
('The Silent Freedom', 'Henry X Garcia', '2024-11-25', '2024-12-14')
('The Mystic Secret', 'John D Williams', '2024-11-28', '2024-12-14')
('The Epic Victory', 'Joshua U Miller', '2024-11-29', '2024-12-14')
('The Luminous Vow', 'Benjamin A Allen', '2024-11-16', '2024-12-14')
('The Enchanted Kingdom', 'Joshua K Garcia', '2024-11-29', '2024-12-14')
('The Unspoken Odyssey', 'Amelia B Taylor', '2024-12-02', '2024-12-14')
('The Timeless Power', 'Sophia L Taylor', '2024-12-05', '2024-12-14')
('The Fierce Arcadia', 'Joshua T Scott', '2024-11-19', '2024-12-14')
('The Eternal Rise', 'Patricia M Martinez', '2024-11-19', '2024-12-14')
('The Sacred Enigma', 'Joshua U Miller', '2024-11-15', '2024-12-14')
('The Forsaken Phoenix', 'Linda G Thomas', '2024-12-03', '2024-12-14')
```

5. Members with Overdue Books

```
Enter SQL query or custom command ('help' for commands, or 'quit' to exit): SELECT
emberID = m.MemberID JOIN     (SELECT ResourceID, Title FROM PhysicalBook     UNION
.ResourceID WHERE     b.CheckinDate IS NULL     AND (julianday(CURRENT_DATE) - julianda
(2, 'Benjamin T Green', 'The Fading Valor,The Cavernous Eclipse,The Mystic Secret')
(3, 'Linda T Williams', 'The Unspoken Odyssey,The Fiery Triumph')
(4, 'James H Jackson', 'The Cursed Arcadia')
(5, 'Daniel D White', 'The Fierce Horizon')
(6, 'Charlotte B Gonzalez', 'The Fiery Hope')
(7, 'William I Hall', 'The Forgotten Dream')
(8, 'Linda F Martin', 'The Frosted Phoenix')
(9, 'Chloe I Thomas', 'The Cursed Triumph')
(11, 'Matthew F Lee', 'The Arcane Odyssey')
(12, 'Matthew U Hall', 'The Dark Chronicles')
(17, 'Ethan H Anderson', 'The Blazing Wings')
(22, 'Liam U Harris', 'The Whispering Freedom')
(23, 'Jackson B Thomas', 'The Forsaken Arcadia,The Fiery Hope')
(26, 'Mason M Scott', 'The Mighty World')
(28, 'Benjamin U Gonzalez', 'The Sublime Freedom,The Fiery Legend')
(32, 'Michael Z Lee', 'The Fragrant Soul')
(34, 'Avery C Anderson', 'The Forgotten Journey')
(37, 'Matthew Q Garcia', 'The Glimmering Shadow')
(40, 'Benjamin T White', 'The Forgotten Wings,The Lurking Tale')
(44, 'Patricia V Young', 'The Epic Destiny,The Unspoken Odyssey')
(45, 'John P Garcia', 'The Radiant Secret')
(46, 'Mason T Perez', 'The Radiant Secret')
(47, 'Liam B Lee', 'The Mighty Victory')
(48, 'Benjamin Y Thomas', 'The Burnished Endeavor')
(50, 'Daniel Lee', 'The Eternal Empire')
(54, 'Chloe A Smith', 'The Endless Endeavor')
(58, 'Harper R Thompson', 'The Majestic Freedom')
(62, 'Sophia C Jones', 'The Sublime Enigma')
(63, 'Linda G Thomas', 'The Shattered Mystery,The Shimmering Soul')
(65, 'James O Jones', 'The Sacred Terror')
(68, 'Sophia White', 'The Fading Enigma')
(70, 'Chloe A Jones', 'The Fiery Hope')
(73, 'Henry X Garcia', 'The Eternal Rise')
(80, 'Ethan W Walker', 'The Unspoken Odyssey,The Invisible Wings')
(82, 'Joshua T Scott', 'The Cursed Destiny,The Enchanted Freedom')
(83, 'Linda K Lee', 'The Cavernous Heart,The Burnished Endeavor')
(90, 'John B Hall', 'The Silent Legend')
(91, 'Amelia B Taylor', 'The Fierce Legend,The Spectral Legacy,The Lurking Victory')
(94, 'Daniel I Miller', 'The Cursed Wings')
(97, 'John D Williams', 'The Fiery Night')
(100, 'Olivia C Thomas', 'The Mighty Wings,The Lost Shadow')
```

6. Average Borrow Time for Fantasy eBooks, PhysicalBooks, and AudioBooks

```
Enter SQL query or custom command ('help' for comma
    BorrowLog b JOIN    (SELECT ResourceID, Genre
urceID WHERE     r.Genre = 'Fantasy'GROUP BY      r.
('Fantasy', 31.41071428571428S)
```

7. Most Popular Author from One Month

```
Enter SQL query or custom command ('help' for commands, or 'quit' to ex
thorID FROM ResourceAuthor ra        JOIN PhysicalBook pb ON ra.ResourceI
esourceID       UNION        SELECT ra.ResourceID, ra.AuthorID FROM Resour
D = a.AuthorID WHERE        b.CheckoutDate >= DATE('now', '-1 month') GRO
('Jennifer', 'Johnson', 35)
```