Bash script for mini project - libmp.sh

```bash
#!/bin/bash
# MySQL database credentials
DB_USER="root"
DB_PASSWORD="@G4libteam"
DB_HOST="localhost"
DB_NAME="library"
#--------------------------------------------------------------------
remove_book(){
  echo "Enter ID of book you want to delete."
  read a
    mysql --user=${DB_USER} --password=${DB_PASSWORD}
--host=${DB_HOST} ${DB_NAME} --execute "delete from  books where
Sno = $a; commit;"
}
#--------------------------------------------------------------------
remove_member(){
  echo "Enter the member id of the member you want to remove."
  read num
  mysql --user=${DB_USER} --password=${DB_PASSWORD}
--host=${DB_HOST} ${DB_NAME} --execute "Delete from members where
member_id = $num; commit;"
}
#--------------------------------------------------------------------
cleaner(){
  mysql --user=${DB_USER} --password=${DB_PASSWORD}
--host=${DB_HOST} ${DB_NAME} --execute "delete from books where
Sno IS NULL;delete from members where member_id IS NULL; commit;"
}
#--------------------------------------------------------------------
view_members(){
mysql --user=${DB_USER} --password=${DB_PASSWORD}
--host=${DB_HOST} ${DB_NAME} --execute "Select * from members;"
}
#--------------------------------------------------------------------
add_book() {
  echo "Enter the Book Id:"
  read Sno
```

```bash
  echo "Enter the Title:"
  read book_name
  echo "Enter the Author:"
  read author
  echo "Enter the publisher"
  read publisher
  echo "Enter the Genre"
  read genre
  mysql --user=${DB_USER} --password=${DB_PASSWORD}
--host=${DB_HOST} ${DB_NAME} --execute "insert into books
values($Sno, $book_name, $author, $publisher, $genre); commit;"
}
#-------------------------------------------------------------------
add_member(){
  echo "Enter the Member ID:"
  read id
  echo "Enter Member Name:"
  read name
  echo "Enter member Roll nnumber:"
  read rollno
  echo "Enter Contact number:"
  read contactno
  echo "Enter Email Id:"
  read em

    mysql --user=${DB_USER} --password=${DB_PASSWORD}
--host=${DB_HOST} ${DB_NAME} --execute "insert into members
values($id, $name, $rollno, $contactno, $em); commit;"

}
#-------------------------------------------------------------------
view_books(){
mysql --user=${DB_USER} --password=${DB_PASSWORD}
--host=${DB_HOST} ${DB_NAME} --execute "Select * from books"
}
#_____
while true; do
  echo ""
  echo "Library Management System"
```

```bash
    echo "------------------------"
    echo "1. Add Book"
    echo "2. Remove Book"
    echo "3. Add Member"
    echo "4. Remove Member"
    echo "5. View all books"
    echo "6. View all Members"
    echo "7. Cleaner"
    echo "8. Exit"
    echo ""
    read -p "Enter your choice [1-8]: " choice
    case $choice in
      1) add_book;;
      2) remove_book;;
      3) add_member;;
      4) remove_member;;
      5) view_books;;
      6) view_members;;
      7) cleaner;;
      8) exit;;
      *) echo "Invalid choice. Please try again.";;
    esac
done
```