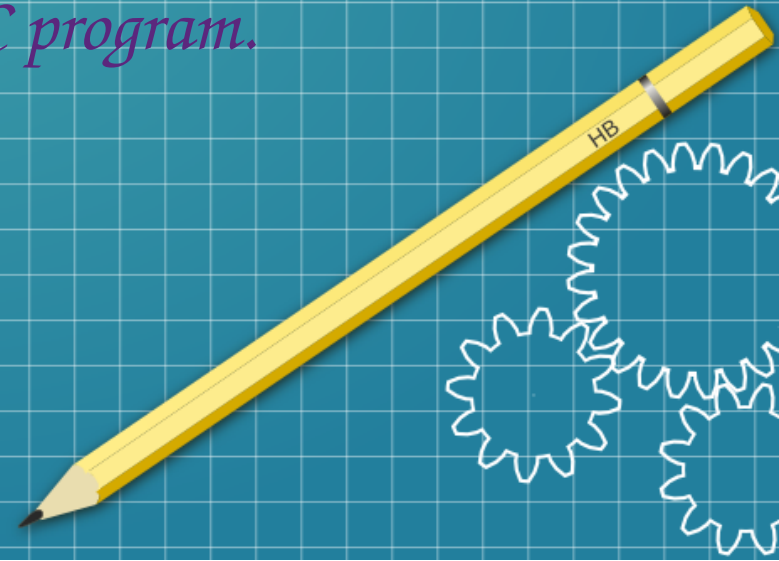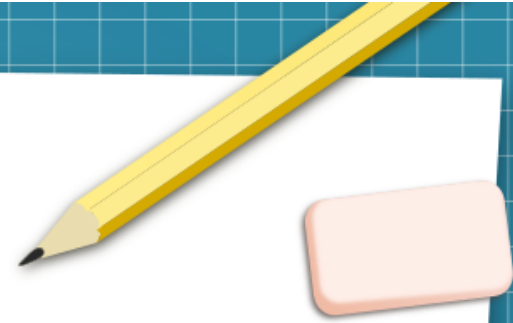# CTP Mini Project

## Movie Ticket Booking Interface

*Part-1: Computational Thinking: A real-world computation problem that can be solved using the C program.*

# Problem statement:-

- *Digitalization is taking over every aspect of human lives. Everyone wants every task to be easy and less time-consuming.*

- *Today, No one would like to stand in queues or go to a movie theatre in advance for booking.*

- *So, we try to develop a program that will enable the user to book movie tickets conveniently with all details in the simplest way possible.*

# *Motivation:-*

- *Everybody likes going to theatres in their off time to watch movies on big screens but In this digitalized world where almost everything is being channelled online, you surely don't want to stand in long queues at the box office.*

- *Neither would you like to compromise your extra half hour to go there for prior booking. Not only this, imagine yourself reaching a theatre only to find out that the movie you came for is not being screened there. And surely if you get to know the show timings of the next few days sitting at home it can't get better.*

- *So with this project we aim to develop a program which will allow us to book tickets through efficiently cutting out the above shortcomings. And therefore making our big screen movie experience less time consuming.*
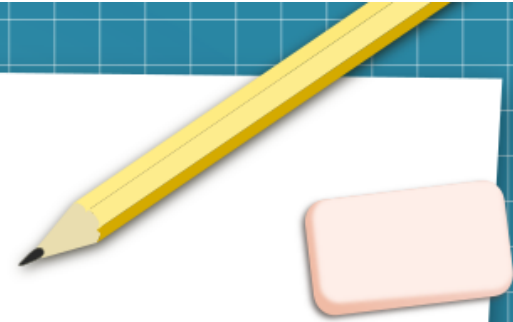
# *Proposed Solution:-*

- *We try to develop a program that will enable the user to book the movie tickets through it easily. The program will cater to all the important inquiries that users may have.*

- *The program will enable the user to go through the list of available movies at the theatre along with their different show timings. Also, the program will showcase the theatre seats available in a sort of pictorial way which will showcase the booked, available, and not available seats.*

# *Proposed Solution:-*

- *Different seats are bound to have different prices as of ease and comfort provided by them. The user would be able to pick and choose a particular seat that is available. Any available seat can be booked through seat number. After booking, the user will be given a Ticket ID. for confirmation of booking. So the user will be able to book the seats in a very simple and easy way.*

- *Elements of C Language used in tentative code are:-*

  *if-else statements , switch-case block, functions, loops, arrays and etc.*

# *Conclusion & Results :-*

- *When comparing our program to the prior technique, we can see that our program is superior. In addition, we can see that our program is more user- and customer-friendly. This program helps the user to book ticket and calculate their respective fares.*

- *The broad use of computer technology meets today's society's needs and can also be said to be consistent with our program.*

- *In this application, we take the user's preferences, such as which movie, seat category, timing, and so on, and book his/her seat accordingly. Furthermore, it computes the total fare of the tickets. The key feature of this application is that after booking, it displays a pictorial representation of the booked seat in the auditorium.*

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