**PRACTICAL-1**

**Project: Movie Collection Manager  
  
Objective: Work with arrays and objects to manage a collection of movies dynamically.**

//task1

const movies = [

    {title : "sector36" , genre : "thriller" , rating : 8.0 , releasse : 2024 },

    {title : "rado" , genre : "action" , rating : 7.5 , releasse : 2021 },

    {title : "munjiya" , genre : "horror" , rating : 9.0 , releasse : 2023 },

]

//task2

const addmovie = (movielist,movie)=>

{

    movielist.push(movie);

};

addmovie(movies,{title : "drashyam" , genre : "thriller" , rating : 9.7 , releasse : 2022});

console.log(movies);

//task3

const find\_according\_userwant = (collection, genre) => {

    return collection.filter(movie => movie.genre === genre);

};

console.log(find\_according\_userwant(movies, "thriller"));

//task4

const highest\_rated\_movie = movielist => {

    return movielist.reduce((highest, movie) => movie.rating > highest.rating ? movie : highest);

};

console.log(highest\_rated\_movie(movies));

//task5

const getmovietitles = movielist =>

{

   return  movielist.map(movie=>movie.title);

};

console.log(getmovietitles(movies));

//task6

const find\_according\_year = (movielist, year) => {

    return movielist.filter(movie => movie.releasse > year);

};

console.log(find\_according\_year(movies, 2022));

//task7

movies.forEach(movie => {

    console.log(`${movie.title} (${movie.releasse}) is a ${movie.genre} movie with a rating of ${movie.rating}`);

});

**OUTPUT :**

