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CS353 Homework Assignment 3

Q1)

a)

select title, year

from Movie

where directorName in (select name as directorName

from Director

where country = “Turkey” and 2022 – birthYear < 40)

b)

select MS.name

from MovieStar MS

where MS.gender = “female” and MS.s-id in (select S.s-id

from StarIn S, Movie M

where S.m-id = M.m-id and M.genre = “horror”

and 2022 – M.year <= 10 and directorName in

(select name as directorName

from Director

where country = “Turkey))

c)

select MS.name, MS.country

from MovieStar MS

where 2022 – MS.birthYear < 20 and MS.s-id in (select S.s-id

from StarIn S, Movie M

where M.directorName = “Quentin Tarantino” and

M.year between 2000 and 2020 and M.m-id = S.m-id)

order by MS.country

d)

select avg(M.Rating) as avg-rating

from Movie M

where M.genre = “western” and M.m-id in (select S.m-id

from StarIn S, MovieStar MS

where MS.name = “John Wayne” and MS.s-id = S.s-id)

e)

select directorName

from Movie

where rating > 5.0 and year = 2021

group by directorName

having count(\*) >= 3

f)

with MD(title, year, country, rating) as (select title, year, country, rating

from Movie join Director on Movie.directorName = Director.name

and Movie.country = Director.country

and Director.birthYear > 1992)

select \*

from MD

where MD.rating >= all (select temp.rating

from MD temp

where temp.year = MD.year and temp.country = MD.country)

g) select D.name

from Movie M, Director D

where M.genre = “horror” and M.year = 2021 and M.directorName = D.name and D.country = “USA”

and M.rating > (select avg(rating) as rating

from Movie M2

where M2.directorName = “Alfred Hitchcock”)

h)

with M2021(title, genre, country, rating) as (select title, genre, country, rating

from Movie M

where M.year = 2021)

select title

from M2021 M2

where M2.rating >= all (select temp.rating

from M2021 temp

where temp.genre = M2.genre and temp.country = M2.country)

i)

with T(directorName, no-movies) as (select M.directorName, count(\*) as no-movies

from Movie M

group by M.directorName)

select T.directorName

from T

where T.no-movies = (select count(\*)

from Movie M2

where M2.directorName = “Quentin Tarantino”)

j)

with Comedy(dname, dcountry, movie-count) as (select M.directorName, D.country, count(\*) as mov-cnt

from Movie M, Director D

where M.year = 2021 and M.genre = “comedy” and

M.directorName = D.name

group by M.directorName, D.country)

select C.dname, C.dcountry

from Comedy C

where C.mov-cnt >= all (select mov-cnt

from Comedy C2

where C2.country = C.country)

Q2)

a)

|  |  |
| --- | --- |
| **StudentName** | **ClubName** |
| John | ABC |
| John | XYZ |
| Dave | XYZ |

b)

|  |  |
| --- | --- |
| **StudentName** | **ClubName** |
| John | XYZ |

c)

|  |  |
| --- | --- |
| **StudentName** | **ClubName** |
|  |  |

d)

|  |  |
| --- | --- |
| **StudentName** | **ClubName** |
| John | XYZ |
| Dave | XYZ |