

## CSE 4126 | Offline 03 | Section – C1 | Marks – 5

[All your code must in a single sql file. Rename the sql file like – 180104XXX.sql]

Solve the following problem using package, exception and trigger.

- Consider the following tables. Here, FK implies Foreign Key.

**\*\*\*You need to create the tables and insert data as shown in the given tables\*\*\***

**ARTIST**

<u>artistID</u>	name	age	gender
1	A	20	M
2	B	30	F
3	C	35	M
4	D	32	F
5	E	46	F
6	F	48	M

**ALBUM**

<u>albumID</u>	albumTitle	artistID [FK]	certification	numberOfTracks
1	PONM	2	GOLD	7
2	TSRQ	5	PLATINUM	14
3	DCBA	3	SILVER	12
4	HGFE	1	GOLD	10
5	LKJI	2	PLATINUM	9

### TRACK

<u>trackID</u>	trackTitle	genre	albumID [FK]	released
1	title1	rock	1	22-jun-1992
2	title2	rock	1	12-jul-1992
3	title3	country	4	02-feb-1972
4	title4	rock	1	12-jul-1992
5	title5	country	2	25-mar-1997
6	title6	country	2	25-mar-1997
7	title7	pop	3	26-jun-2010
8	title8	pop	5	22-may-1982

- Take artist ID (*artistID*) as **user input**.
  - If the *artistID* is valid:
    - Show the age and gender of the artist. Then, show the other artists of the same gender, who have a GOLD or PLATINUM-certified album. For each album of the other artists, show the genre and number of tracks.
  - If the *artistID* is invalid, print "Artist does not exist".
- You must use cursor to search *artistID* & find artists and genre, searching implementation will be inside procedure, genre finding will be inside function. Package, exception and trigger must also be used.

For example-

INPUT	SAMPLE OUTPUT
2	Age of B: 30 Gender of B: F Other artists of F gender: E Albums of E: TSRQ Genre of TSRQ: country Number of tracks in TSRQ: 14
12	Artist does not exist