

CORRIGÉ du TD : Bases de Données Relationnelles - Annales 2018

E3A

```
SELECT id,nom,naissance,zoo FROM animaux
```

```
WHERE espece='Chameau' AND sexe='F'
```

```
SELECT a.id,a.nom,a.naissance,a.zoo FROM animaux AS a JOIN zoos AS z ON z.id=a.zoo
```

```
WHERE a.espece='Bonobos' AND a.sexe='M' AND z.continent='Asie'
```

```
SELECT DISTINCT pays FROM zoos AS z
```

```
WHERE ( SELECT COUNT(r.continent) FROM zoos AS r WHERE z.pays=r.pays AND r.continent <> z.continent)>0
```

MINES

Q1 :

```
SELECT idBouee, nomSite FROM Bouee
```

```
WHERE localisation='Mediterranee'
```

Q 2 : Pas besoin de jointure car les champs à retourner sont uniquement dans la table

```
SELECT b.idBouee FROM Bouee as b
```

```
WHERE b.idBouee NOT IN (SELECT t.idBouee FROM Tempete AS t)
```

Q3

“Pour chaque site” : GROUP BY nomSite

```
select nomSite,MAX(Hmax) from bouee as b join tempete as t on b.idbouee = t.idbouee  
group by idBouee
```

E3A PSI

D15 :

```
SELECT site, p_annee FROM vagues
```

```
WHERE p_annee>5 AND annee=2014
```

D 16

```
SELECT MAX(p_annee) FROM vagues
```

```
WHERE annee='2014'
```

Puis :

```
SELECT site FROM vagues
```

```
WHERE annee=2014
```

```
AND p_annee=(SELECT MAX(p_annee) FROM vagues WHERE annee='2014')
```

D17

```
SELECT v.site, longueur*AVG(p_annee) FROM vagues
```

```
AS v JOIN geographie AS g ON v.site=g.site
```

```
GROUP BY v.site
```

Centrale SUPELEC

Q34

```
SELECT SI_DIM ,COUNT(*) FROM simulation
```

```
GROUP BY SI_DIM
```

Q35

```
SELECT SI_NUM, COUNT(*), AVG(re_vit) FROM rebond
```

```
GROUP BY SI_NUM
```

Q36

```
SELECT re_dir,SUM(2* pa_m*re_vp)
```

```
FROM rebond as r JOIN particule AS p ON r.pa_NUM=p.pa_NUM
```

```
WHERE si_Num = n
```

```
GROUP BY re_dir
```

CCP PSI

Q 19 : Clé primaire : est la donnée qui permet d'identifier de manière unique un [enregistrement](#) dans une [table](#).

Q20 : SELECT id FROM matches

```
WHERE joueur1='Federer' OR joueur2='Federer'
```

Q21 :

```
SELECT MAX(nombre) FROM points
```

```
WHERE matchs.mid=4
```

Q22 :

```
SELECT fichier FROM points JOIN matches ON matches.id=points.mid
```

```
WHERE nom= 'Federer-Murray'
```