## Salle:

|  |  |
| --- | --- |
| dsalle | nomsalle |
| Salle1 | S1 |
| Salle2 | S2 |

## Departement:

|  |  |
| --- | --- |
| iddepartement | nomdepartement |
| Departement1 | BatimentA |
| Departement2 | BatimentB |

## Departement\_Salle:

|  |  |
| --- | --- |
| iddepartement | idsalle |
| Departement1 | Salle1 |
| Departement1 | Salle2 |

## Nombre\_Salle:

|  |  |  |  |
| --- | --- | --- | --- |
| Salle | Nombre | journee | date |
| Salle1 | 120 | 0 | 01/12/2023 |
| Salle1 | 150 | 1 | 01/12/2023 |

0 => matin

1=>midi

## Source

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| idsource | capacite | unite | typesource | pourcentage |
| Panneau1 | 1500 | W | 0 | 100 |
| Panneau2 | 2000 | W | 0 | 100 |
| Batterie1 | 4000 | W | 1 | 50 |
| Batterie2 | 3000 | W | 1 | 50 |

## Departement\_Source

|  |  |
| --- | --- |
| iddepratement | Idsource |
| Departement1 | Panneau1 |
| Departement1 | Batterie1 |
| Departemet1 | Batterie2 |

## Luminiosite

|  |  |
| --- | --- |
| dateheure | niveau |
| 01/12/2023 08:00:00 | 6 |
| 01/12/2023 09:00:00 | 8 |

## Departement\_coupure

|  |  |
| --- | --- |
| iddepartement | Dateheure\_coupure |
| Departement1 | 01/12/2023 15:00:00 |
| Departement2 | 01/12/2023 17:00:00 |

## But :

\*prevision heure de coupure d un departement a partie d’un date

## Metier :

A)previsioncoupure :

1)moyenneconsommation

1) a) consommationparjour(departement)

1) a-1) date\_coupurewithconsommationteste(consommation,departement)

1) a-2)getLuminiosite\_departement\_panneau(departement,date) X

1)a-3)getcapacitebatterie() X

1)a-4)getcoupuredepartementbydate(date)

2) moyennempianatrachaquedate(View) X

2) a)moyenne\_nombe\_eleveparjour (View) X

moyenne\_nombe\_eleveparjour(View) :

Nombre\_salle\_view :

|  |  |  |
| --- | --- | --- |
| salle | Moyenne\_eleve | date |
| Salle1 | 120 | 01/12/2023 |

moyennempianatrachaquedate (View)

id\_departement | moyenne\_total | name\_day

----------------+----------------------+-----------

departement1 | 120.0000000000000000 | Friday

departement1 | 130.0000000000000000 | Saturday

Consommationparjour :

Supposer=> 1 eleve = 50 W

120 eleves = 50 \* 120 = 6 000 W

Luminiosite :

|  |  |
| --- | --- |
| dateheure | niveau |
| 01/12/2023 08:00:00 | 6 |
| 01/12/2023 09:00:00 | 8 |

Puisssance\_source\_departement (View):

|  |  |  |
| --- | --- | --- |
| departement | Puissance\_total | typesource |
| Departement1 | 1500 W | 0 |
| Departement1 | 7000 W | 1 |

Luminiosite\_departement\_panneau(View) :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| dateheure | niveau | departement | Puissance\_total | Puissance\_heure |
| 01/12/2023 08:00:00 | 6 | Departement1 | 1500W | 900W |
| 01/12/2023 09:00:00 | 8 | Departement1 | 1500W | 1200W |

Departement\_coupure :

|  |  |
| --- | --- |
| iddepartement | Dateheure\_coupure |
| Departement1 | 01/12/2023 15:00:00 |