WEEK 2 Project :

1. Attendance system which can save your login and logout timings :

In [6]:
```
n = int(input())
name = []
Id = []
login = []
logout = []
for i in range(1,n+1):
    name_ = str(input())
    Id_   = str(input())
    login_ = str(input())
    logout_ = str(input())
    name.append(name_)
    Id.append(Id_)
    login.append(login_)
    logout.append(logout_)
```

```
4
Nandhini K
ME2273
8:00 AM
3:00 PM
Kaavyaa R
EC3937
9:00 AM
7:00 PM
Anusri K
EE7273
8:32 AM
6:45 PM
Akshaya P
CS9732
9:45 AM
8:21 PM
```

2. Converting the above program into Dictionary :

In [7]:
```
dct = {}
dct['NAME'] = name
dct['ID'] = Id
dct['LOGIN'] = login
dct['LOGOUT'] = logout
```

In [8]:
```
dct
```

Out[8]:
```
{'NAME': ['Nandhini K', 'Kaavyaa R', 'Anusri K', 'Akshaya P'],
 'ID': ['ME2273', 'EC3937', 'EE7273', 'CS9732'],
 'LOGIN': ['8:00 AM', '9:00 AM', '8:32 AM', '9:45 AM'],
 'LOGOUT': ['3:00 PM', '7:00 PM', '6:45 PM', '8:21 PM']}
```

3. converting dictionary into DataFrame :

In [13]:
```
import pandas as pd
new = pd.DataFrame(dct)
```

In [14]:
```
new
```

Out[14]:

	NAME	ID	LOGIN	LOGOUT
0	Nandhini K	ME2273	8:00 AM	3:00 PM
1	Kaavyaa R	EC3937	9:00 AM	7:00 PM
2	Anusri K	EE7273	8:32 AM	6:45 PM
3	Akshaya P	CS9732	9:45 AM	8:21 PM

4. converting Dataframe into CSV file :

In [16]:
```
csv_data = new.to_csv("attendance.csv")
```