

# **DESIGN AND ANALYSIS OF ALGORITHM**

**Output**

*Submitted by*

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**Group name: First call**



**DEPARTMENT OF COMPUTER SCIENCE**

**FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY**

**SEM 2 2022-2023**

```
-----menu-----
0-Leave the program
1-Searching for a phone number by name
2-Search for a phone number by first name
3-Searching for a name from a phone number
4-Search based on a function (Mathematics teacher, director, etc.)
5-Show the whole list

Enter your choice:0
Good bye !!
PS C:\Users\ZS\Downloads\DesignAlgo-main\output>
```

Quit the program.

```
-----menu-----
0-Leave the program
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3-Searching for a name from a phone number
4-Search based on a function (Mathematics teacher, director, etc.)
5-Show the whole list

Enter your choice:1
Enter the name
Ali
Mr/Ms Mohamed Ali : +66 97461548
Execution time: 0.001000
```

Search by name.

```
-----menu-----
0-Leave the program
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4-Search based on a function (Mathematics teacher, director, etc.)
5-Show the whole list

Enter your choice:1
Enter the name
Adams
Mr/Ms Madison Adams : +66 15364734
Mr/Ms Mia Adams : +66 36044621
Mr/Ms Henry Adams : +66 38594589
Mr/Ms Zoey Adams : +66 76384679
Execution time: 0.001000
```

Search by first name.

```
-----menu-----
0-Leave the program
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Enter your choice:2
Enter the first name
Emiko
Mr/Ms Emiko Tanaka : +66 76873390
Execution time: 0.001000
```

```
-----menu-----
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3-Searching for a name from a phone number
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5-Show the whole list

Enter your choice:3
Enter the number you want to look for (without the +66): 16166902
Name : Santos Maria +66 16166902
Execution time: 0.000000
```

Search by phone number.

```
-----menu-----
0-Leave the program
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2-Search for a phone number by first name
3-Searching for a name from a phone number
4-Search based on a function (Mathematics teacher, director, etc.)
5-Show the whole list

Enter your choice:4
Search based on a Role (Mathematics teacher, director, etc.)
choose the Role of the person you are looking for :
0.Student
1.Administrator
2.Professor_of_Language
3.Professor_of_Physics
4.Professor_of_Math
5.Professor_of_History
6.leave
enter your choose :
5
here is the list of Professor of History
Thompson James Professor_of_History +66 21533159
Alonzo Jack Professor_of_History +66 96578721
Anderson Jackson Professor_of_History +66 15837561
Lewis Aria Professor_of_History +66 87177361
Hall Harper Professor_of_History +66 81610188
Cook Benjamin Professor_of_History +66 69857124
Bennett Evelyn Professor_of_History +66 45859618
Green Chloe Professor_of_History +66 39473311
Morgan Addison Professor_of_History +66 25258064
Rivera Stella Professor_of_History +66 67250254
Hall Wyatt Professor_of_History +66 56047144
Carter Grace Professor_of_History +66 34205295
Rivera Samuel Professor_of_History +66 61838062
Turner Owen Professor_of_History +66 84259713
Johnson Gabriel Professor_of_History +66 11367920
Turner Ethan Professor_of_History +66 22163726
Green Gabriel Professor_of_History +66 50606683
Gonzalez Stella Professor_of_History +66 14142762
```

Search with function. The function is chosen and the list of people occupying this function is displayed.

```
-----menu-----
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4-Search based on a function (Mathematics teacher, director, etc.)
5-Show the whole list

Enter your choice:5
Here is the whole list)
Contact 1:
Firstname: Ahmed
Name: Khan
Function: Student
Phone Number: +66 30876156
-----
Contact 2:
Firstname: Juan
Name: Rodriguez
Function: Professor_of_Math
Phone Number: +66 33789379
-----
Contact 3:
Firstname: Emiko
Name: Tanaka
Function: Student
Phone Number: +66 76873390
-----
Contact 4:
Firstname: Mohamed
Name: Ali
Function: Administrator
Phone Number: +66 97461548
-----
Contact 5:
Firstname: Fatima
Name: Ahmed
Function: Student
Phone Number: +66 63846215
-----
```

Displays all people in the list.