

# C Programming

## Assignments\_1

*Eng: fahd badi*

# Exercise 1

Write a code that scan 3 numbers from the user and print them in reversed order.

```
Please Enter Number_1: 20  
Please Enter Number_2: 40  
Please Enter Number_3: 60  
Number_3: 60  
Number_2: 40  
Number_1: 20
```

# Exercise 2

Write a code that convert temperature from degree centigrade to Fahrenheit.

```
Please Enter Temperature in Centigrade : 47.13044  
Temperature in Fahrenheit: 116.834793
```

# Exercise 3

Write a code find that entered year is leap year or not.

```
Please Enter any Year: 2012  
2012 is a Leap Year
```

```
Please Enter any Year: 1999  
1999 is not a Leap Year
```

# Exercise 4

Write a C code to ask the user to enter his grade and the program will print his rating.

0 <= Grade < 50 -----> Failed  
50 <= Grade < 65 -----> Normal  
65 <= Grade < 75 -----> Good  
75 <= Grade < 85 -----> Very Good  
85 <= Grade -----> Excellent

```
Please Enter Grade number: 49  
Your Rating is Failed
```

```
Please Enter Grade number: 63  
Your Rating is Normal
```

```
Please Enter Grade number: 70  
Your Rating is Good
```

```
Please Enter Grade number: 78  
Your Rating is Very Good
```

```
Please Enter Grade number: 87  
Your Rating is Excellent
```

# Exercise 5

Login System:

**Using switch case**, Write a C code that ask the user to enter his ID and then the program will print his name.

Any other number, the program will print ***Wrong ID***

User Name	User ID	User Name	User ID
Fahd	1122	Ahmed	9110
Ali	1245	Sarah	5566
Yasmin	7896	Amr	8687

```
Plese Enter Your ID: 1122  
Hello Fahd
```

```
Plese Enter Your ID: 3452  
Wrong ID
```

# Challenge 1

Write a C code that ask the user to enter 10 numbers, then ask him to enter another number to search on it in the 10 numbers and print its location in case it is found.

In case the number is not found, it will print number no exist.

```
Enter Number_1: 12
Enter Number_2: 34
Enter Number_3: 67
Enter Number_4: 89
Enter Number_5: 34
Enter Number_6: 56
Enter Number_7: 78
Enter Number_8: 98
Enter Number_9: 46
Enter Number_10: 33
Enter the Value to Search: 34
Value is Exist at Element Number_2
Value is Exist at Element Number_5
```





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