WEEK 2 - PRIZE CONTEST

NOTE:

- **No need to submit anywhere, just keep track of all the PDF you made in a specific folder.**
- **Compare your solution with the solution I'll provide, in case of doubts, kindly reach out to me.**
- **You may get assignment solution in format of PDF or VIDEO solution, depending on the difficulty level.**

Q1. Make a function named **reverse** which accepts an integer **n** from the user. Reverse the number passed as a parameter and return the reverse number. Do not use **STRINGS.**

```
# Example 1
reverse(91)

# Output
19

# Example 2
reverse(1000)

# Output
1

# Example 3
reverse(1474)

# Output
4741
```

Q2. Make a function named **checkPalindrome** which accepts an integer **n** from the user. Return **True** or **False** if the number is palindrome or not.

Palindrome means which is same as forward and backwards. Do not use **STRINGS.**

```
# Examples
checkPalindrome(91)
checkPalindrome(1221)
checkPalindrome(9854)
checkPalindrome(123454321)

# Output
False
True
False
True
```

Q3. Make a function named **printWords** which accepts an integer **n** from the user. Print the number as words.

```
# Examples
printWords(91)
printWords(1221)
printWords(9854)
printWords(1001)

# Output
Nine One
One Two Two One
Nine Eight Five Four
One Zero Zero One
```

Q4. Make a function named **checkArmstrong** which accepts an integer **n** from the user. Return **True** or **False** if that number is an armstrong number.

```
# Example 1
checkArmstrong(153)

# Output
True

# Reason
1^3 + 5^3 + 3^3 = 153

# Example 2
checkArmstrong(407)

# Output
True

# Reason
4^3 + 0^3 + 7^3 = 407
```

Q5. Make a function named **sumOfFirstAndLastDigit** which accepts an integer **n** from the user. Calculate the sum of first and last digit of a number and return it.

```
# Examples
sumOfFirstAndLastDigit(1234)
sumOfFirstAndLastDigit(8471)
sumOfFirstAndLastDigit(5)
sumOfFirstAndLastDigit(99)

# Outputs
5
9
5
18
```