

Lab Assignment 06
CMPE 112 Fundamentals of Programming I, Spring 2020

Question 1

You are asked to write a program that will find reverse of a number given from user. For example, if the number "34647" is given from user, reverse of it should be "74643"

REMEMBER: You cannot take number as a String variable. You should take it as an Integer. You cannot convert that variable to String either. Operations should be an Integer operation.

Sample Outputs:

```
Please enter your number:  
34647  
Reverse of number is 74643
```

```
Please enter your number:  
13245  
Reverse of number is 54321
```

Question 2

You are asked to write a java program to compute the sum of the numbers within a range. However, you should take the cubes of odd numbers. That means if the range is between 1 to 3. Result should calculated like this: " 1^3+2+3^3 ". Range will be provided by the user. You have to check if the lower bound is less than upper bound to proceed.

Hint: You can use Math.pow() method to find the cube of a number.

Sample Outputs:

```
Please enter the lower bound:
5
Please enter the upper bound:
2
Lower bound must be less than upper bound, please try again!
Please enter the lower bound:
4
Please enter the upper bound:
1
Lower bound must be less than upper bound, please try again!
Please enter the lower bound:
1
Please enter the upper bound:
3
Result is: 30
```

```
Please enter the lower bound:
-3
Please enter the upper bound:
2
Result is: -27
```