

Lab #3

CS234

Thomas Crow

Question #1

A

```
tbcrow@DigDug Lab #3 % java a_SumEvenNumbers
The sum of all even numbers between 2 and 100 is: 2550
tbcrow@DigDug Lab #3 %
```

B

```
tbcrow@DigDug Lab #3 % java b_SumSquares
The sum of all numbers between 1 and 100 squared is: 338350
tbcrow@DigDug Lab #3 %
```

C

```
tbcrow@DigDug Lab #3 % java c_PowerOf2
The value of 2 to the power 0 is 1
The value of 2 to the power 1 is 2
The value of 2 to the power 2 is 4
The value of 2 to the power 3 is 8
The value of 2 to the power 4 is 16
The value of 2 to the power 5 is 32
The value of 2 to the power 6 is 64
The value of 2 to the power 7 is 128
The value of 2 to the power 8 is 256
The value of 2 to the power 9 is 512
The value of 2 to the power 10 is 1024
The value of 2 to the power 11 is 2048
The value of 2 to the power 12 is 4096
The value of 2 to the power 13 is 8192
The value of 2 to the power 14 is 16384
The value of 2 to the power 15 is 32768
The value of 2 to the power 16 is 65536
The value of 2 to the power 17 is 131072
The value of 2 to the power 18 is 262144
The value of 2 to the power 19 is 524288
The value of 2 to the power 20 is 1048576
tbcrow@DigDug Lab #3 %
```

D

```
tbcrow@DigDug Lab #3 % java d_SumOfOddNumbers
This program gives the sum of odd numbers between two inputted whole numbers.
Please enter the first number: 203
Please enter the second number: 894
The sum of odd numbers between 203 and 894 is 189608
tbcrow@DigDug Lab #3 % java d_SumOfOddNumbers
This program gives the sum of odd numbers between two inputted whole numbers.
Please enter the first number: 894
Please enter the second number: 203
The sum of odd numbers between 203 and 894 is 189608
tbcrow@DigDug Lab #3 %
```

E

```
tbcrow@DigDug Lab #3 % java e_SumOfOddDigits
This program determines the sum of odd numbers contained in an inputted number.
Please enter a number: 32677
The sum of odd numbers contained in 32677 is 17
tbcrow@DigDug Lab #3 % java e_SumOfOddDigits
This program determines the sum of odd numbers contained in an inputted number.
Please enter a number: 15079
The sum of odd numbers contained in 15079 is 22
tbcrow@DigDug Lab #3 %
```

Question #2

```
tbcrow@DigDug Lab #3 % java Password_Tools
Please enter a password: test1234
The password did not meet complexity requirements. Please try again.
Please enter a password: Test123
The password did not meet complexity requirements. Please try again.
Please enter a password: TEST1234
The password did not meet complexity requirements. Please try again.
Please enter a password: Test1234
Please reenter the password: test1234
The passwords did not match. Please try again.
Please enter a password: Test1234
Please reenter the password: Test1234
The password has been confirmed.
tbcrow@DigDug Lab #3 %
```