HW3

Computer Programming Fall 2021

Dr. Hatim Alsuwat

Q1: Write a Java program that reads an integer between 0 and 1000 and adds all the digits in the integer.

```
Output - ProjectW01.G01 (run)

run:
Input an integer between 0 and 1000: 456
The sum of all digits in 456 is 15
BUILD SUCCESSFUL (total time: 10 seconds)
```

Q2: Write a Java program to accept a number and check the number is even or not. Prints 1 if the number is even or 0 if the number is odd.

```
Coutput - ProjectW01.G01 (run)

ProjectW01.G01 (run)

Prun:
Input a number: 15
0
BUILD SUCCESSFUL (total time: 2 seconds)

BUILD SUCCESSFUL (total time: 2 seconds)
```

Q3: Write a Java program to get a number from the user and print whether it is positive or negative

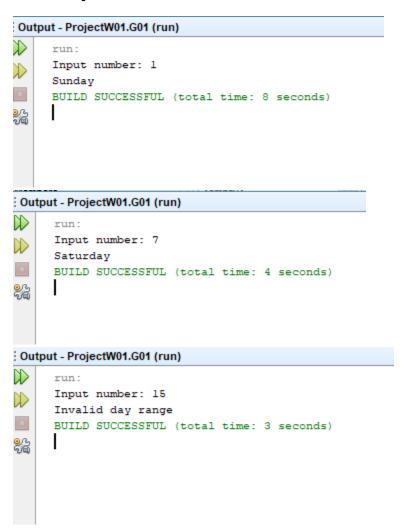


Q4: Take three numbers from the user and print the greatest number

```
Output - ProjectW01.G01 (run)

run:
Input the 1st number: 200
Input the 2nd number: 5
Input the 3rd number: 235
The greatest: 235
BUILD SUCCESSFUL (total time: 19 seconds)
```

Q5: Write a Java program that keeps a number from the user and generates an integer between 1 and 7 and displays the name of the weekday.

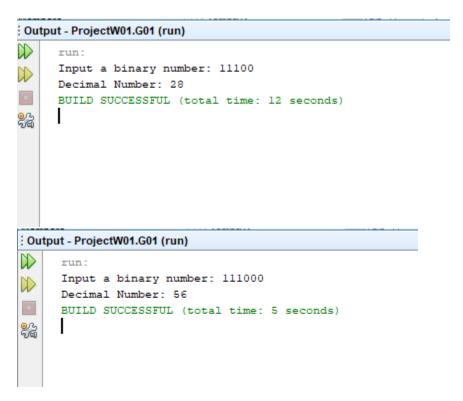


Q6: Write a program in Java to display the pattern like right angle triangle with a number.

```
Output - ProjectW01.G01 (run)

run:
Input number of rows: 9
1
12
123
1234
12345
123456
1234567
12345678
12345678
123456789
BUILD SUCCESSFUL (total time: 4 seconds)
```

Q7: Write a Java program to convert a binary number to decimal number.



Q8: Write a Java program to reverse a string.

```
Output - ProjectW01.G01 (run)

run:
Input a string: Dr. Hatim Alsuwat
Reverse string: tawuslA mitaH .rD
BUILD SUCCESSFUL (total time: 33 seconds)
```

Q9: Write a Java program to calculate power of a number using for loop

```
Output - ProjectW01.G01 (run)

run:
Input the number: 4
Input the power: 2
4^2 = 16
BUILD SUCCESSFUL (total time: 7 seconds)
```

Q10: Write a Java program to display first n prime numbers

```
Coutput - ProjectW01.G01 (run)

run:
Enter the value of n:
12
First 12 prime numbers are:
2
3
5
7
11
13
17
19
23
29
31
37
BUILD SUCCESSFUL (total time: 5 seconds)
```