

## Assignment 2 AKICS Python Class

Q1. Using a while loop find the sum of the first n natural numbers where **n = 100**. Can you find using the formula as well? **(20 points)**

Q2. For **n=20** natural numbers print which number is even and which number is odd using the while loop and if/else statements **(20 points)**

Q3. Given a number check using if/else if it is a prime number or not **(20 points)**

Example: Input: **given\_number = 4**

Output: Not a Prime Number

Input: **given\_number = 13**

Output: Prime Number

Q4. In the first n natural numbers where **n = 1000** find the number of prime numbers and print the count **(20 points)**

Q5. Given the below temperatures using if/elif/else statements print related weather conditions **(20 points)**

Temperature (degree celsius)	Weather Name
1	Very Cold
10	Cold
25	Normal
30	Good
35	Warm
40	Hot

Please submit

1. Code file
2. Output in PDF (pdf of screenshots)

Resources:

<http://projectpython.net/chapter03/index.html>

<http://projectpython.net/chapter02/index.html>