**Homework # 21**

Please create the ruby script for each assignment (8) using text file as an input and OptionParser or Trollop:

01.   script\_21\_01.rb

Input: input\_21\_01.txt

|  |  |
| --- | --- |
| 1.  2. | apple  banana |

**C:\>ruby script\_21\_01.** **rb -o ./hw\_21/etc/input\_21\_01.txt**

Output: My favorite fruits are: apples and bananas

02.   script\_21\_02.rb

Input: input\_21\_02.txt

|  |  |
| --- | --- |
| 1.  2. | apples  bananas |

**C:\>ruby script\_21\_02.** **rb -o ./hw\_21/etc/input\_21\_02.txt**

Output: My favorite fruit is apple or banana

03.   script\_21\_03.rb

Input: input\_21\_03.txt

|  |  |
| --- | --- |
| 1.  2. | 100  10 |

**C:\>ruby script\_21\_03.** **rb -o ./hw\_21/etc/input\_21\_03.txt**

Output: When I am dividing 100 by 10 I am always have 10!

04.   script\_21\_04.rb

Input: input\_21\_04.txt

|  |  |
| --- | --- |
| 1.  2.  3.  4. | 66  166  202  14 |

**C:\>ruby script\_21\_04.** **rb -o ./hw\_21/etc/input\_21\_04.txt**

Output: My IP Address is: 66.166.202.14

05.   script\_21\_05.rb

Input: input\_21\_05.txt

|  |  |
| --- | --- |
| 1.  2.  3.  4.  5. | 35  45  61  59  73 |

**C:\>ruby script\_21\_05.** **rb -o ./hw\_21/etc/input\_21\_05.txt**

Output: Average score of (35, 45, 61, 59 and 73) is 54.6

06.   script\_21\_06.rb (use loop)

Input: input\_21\_06\_A.txt

|  |  |
| --- | --- |
| 1.  2.  3.  4.  5.  6. | 2  4  6  8  10  12 |

**C:\>ruby script\_21\_06.** **rb -o ./hw\_21/etc/input\_21\_06\_A.txt**

Output: The summary of the following numbers is: 7

Input: input\_21\_06\_B.txt

|  |  |
| --- | --- |
| 1.  2.  3.  4.  5.  6.  7.  8.  9.  10. | 23  15  97  45  365  1234  523665  45  2971  22145 |

**C:\>ruby script\_21\_06.** **rb -o ./hw\_21/etc/input\_21\_06\_B.txt**

Output: The summary of the following numbers is: 55060.5

07.   script\_21\_07.rb (use regex)

Input: input\_21\_07\_A.txt

|  |  |
| --- | --- |
| 1. | Wednesday morning, John Smith was walking on the street. |

**C:\>ruby script\_21\_07.** **rb -o ./hw\_21/etc/input\_21\_07\_A.txt**

A.      Output: His name is: "John Smith"

Input: input\_21\_07\_B.txt

|  |  |
| --- | --- |
| 1. | Monday evening, Alex More was walking on the street. |

**C:\>ruby script\_21\_07.** **rb -o ./hw\_21/etc/input\_21\_07\_B.txt**

B.      Output: His name is: "Alex More"

08.   script\_21\_08.rb (use array, sort)

Input: input\_21\_08.txt

|  |  |
| --- | --- |
| 1.  2.  3.  4. | Spring  Summer  Fall  Winter |

**C:\>ruby script\_21\_08.** **rb –o ./hw\_21/etc/input\_21\_08.txt**

Output: Here are sorted (alphabetically) words: Fall Spring Summer Winter