**Homework # 23**

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

01.  script\_23\_01.rb

Input: input\_23\_01.json

|  |  |
| --- | --- |
| 1.  2.  3.  4. | {              "fruit\_a" : "apple",              "fruit\_b" : "banana"  } |

**C:\>ruby script\_23\_01.** **rb -o ./hw\_23/etc/input\_23\_01.json**

Output: My favorite fruits are: apples and bananas

02.  script\_23\_02.rb

Input: input\_23\_02. json

|  |  |
| --- | --- |
| 1.  2.  3.  4. | {              "fruits\_a" : "apples",              "fruits\_b" : "bananas"  } |

**C:\>ruby script\_23\_02.** **rb -o ./hw\_23/etc/input\_23\_02.json**

Output: My favorite fruit is apple or banana

03.  script\_23\_03.rb

Input: input\_23\_03. json

|  |  |
| --- | --- |
| 1.  2.  3.  4. | {              "int\_a" : "100",              "int\_b" : "10"  } |

**C:\>ruby script\_23\_03.** **rb -o ./hw\_23/etc/input\_23\_03.json**

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

04.  script\_23\_04.rb

Input: input\_23\_04. json

|  |  |
| --- | --- |
| 1.  2.  3.  4.  6.  7. | {              "octet\_1" : "66",              "octet\_2" : "166",              "octet\_3" : "202",              "octet\_4" : "14"  } |

**C:\>ruby script\_23\_04.** **rb -o ./hw\_23/etc/input\_23\_04.json**

Output: My IP Address is: 66.166.202.14

05.  script\_23\_05.rb

Input: input\_23\_05. json

|  |  |
| --- | --- |
| 1.  2.  3.  4.  6.  7.  8. | {              "int\_a" : "35",              "int\_b" : "45",              "int\_c" : "61",              "int\_d" : "59",              "int\_e" : "73"  } |

**C:\>ruby script\_23\_05.** **rb -o ./hw\_23/etc/input\_23\_05.json**

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

06.  script\_23\_06.rb (use loop)

Input: input\_23\_06\_A. json

|  |  |
| --- | --- |
| 1.  2.  3.  4.  6.  7.  8.  9. | {              "int\_a" : "2",              "int\_b" : "4",              "int\_c" : "6",              "int\_d" : "8",              "int\_e" : "10",              "int\_f" : "12"  } |

**C:\>ruby script\_23\_06.** **rb -o ./hw\_23/etc/input\_23\_06\_A.json**

A.      Output: The summary of the following numbers is: 7

Input: input\_23\_06\_B. json

|  |  |
| --- | --- |
| 1.  2.  3.  4.  6.  7.  8.  9.  10.  11.  12.  13 | {              "int\_a" : "23",              "int\_b" : "15",              "int\_c" : "97",              "int\_d" : "45",              "int\_e" : "365",              "int\_f" : "1234",              "int\_g" : "523665",              "int\_h" : "45",              "int\_i" : "2971",              "int\_j" : "22145"  } |

**C:\>ruby script\_23\_06.** **rb -o ./hw\_23/etc/input\_23\_06\_B.json**

B.      Output: The summary of the following numbers is: 55060.5

07.  script\_23\_07.rb (use regex)

Input: input\_23\_07\_A. json

|  |  |
| --- | --- |
| 1.  2.  3. | {              "sentence" : " Wednesday morning, John Smith was walking on the street."  } |

**C:\>ruby script\_23\_07.** **rb -o ./hw\_23/etc/input\_23\_07\_A.json**

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

Input: input\_23\_07\_B. json

|  |  |
| --- | --- |
| 1.  2.  3. | {              "sentence" : " Wednesday morning, John Smith was walking on the street."  } |

**C:\>ruby script\_23\_07.** **rb -o ./hw\_23/etc/input\_23\_07\_B.json**

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

08.  script\_23\_08.rb (use array, sort)

Input: input\_23\_08. json

|  |  |
| --- | --- |
| 1.  2.  3.  4.  6.  7. | {              "season\_a" : "Spring",              "season\_b" : "Summer",              "season\_c" : "Fall",             "season\_d" : "Winter"  } |

**C:\>ruby script\_23\_08.** **rb –o ./hw\_23/etc/input\_23\_08.json**

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