**Challenge-1:**

**Write a python program which accepts a sequence of comma separated 4 digit binary numbers as its input and then check whether they are divisible by 5 or not. The numbers that are divisible by 5 are to be printed in a comma separated sequence.**

|  |
| --- |
| Example: |
|  |

|  |
| --- |
| 0100,0011,1010,1001 |
|  |

|  |
| --- |
| Then the output should be: |
|  |

1010

|  |
| --- |
|  |
|  |

**Challenge-2:**

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| --- |
| **Write a python program that accepts a sentence and calculate the number of letters and digits.** |
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| --- |
| Suppose the following input is supplied to the program: |
|  |

|  |
| --- |
| hello world! 123 |
|  |

|  |
| --- |
| Then, the output should be: |
|  |

|  |
| --- |
| LETTERS 10 |
|  |

DIGITS 3

**Challenge-3:**

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| --- |
| **Write a python program to compute the frequency of the words from the input. The output should output after sorting the key alphanumerically.** |
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| --- |
| Suppose the following input is supplied to the program: |
|  |

|  |
| --- |
| “New to Python or choosing between Python 2 and Python 3? Read Python 2 or Python 3” |
|  |

|  |
| --- |
| Then, the output should be: |
|  |

|  |
| --- |
| 2:2 |
|  |

|  |
| --- |
| 3.:1 |
|  |

|  |
| --- |
| 3?:1 |
|  |

|  |
| --- |
| New:1 |
|  |

|  |
| --- |
| Python:5 |
|  |

|  |
| --- |
| Read:1 |
|  |

|  |
| --- |
| and:1 |
|  |

|  |
| --- |
| between:1 |
|  |

|  |
| --- |
| choosing:1 |
|  |

|  |
| --- |
| or:2 |
|  |

to:1

**Challenge-4:**

|  |
| --- |
| **Define a class named Rectangle which can be constructed by a length and width. The Rectangle class has a method which can compute the area.** |
|  |