Assignment -1

Assignment Date	8 September 2022
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Maximum Marks	2 Marks

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 Basic Python
 1. Split this string
 2. Use .format() to print the following string.
 Output should be: The diameter of Earth is 12742 kilometers.
[3] txt="The diameter of {plt} is {dr} kilometres.".format(plt=planet,dr=diameter)
print(txt)
3. In this nest dictionary grab the word "hello"
 Numpy
 4.1 Create an array of 10 zeros?
 4.2 Create an array of 10 fives?
[6] array=np.zeros(10)
print(array)
[7] array=np.ones(10)*5
print(array)
5. Create an array of all the even integers from 20 to 35
 [8] array=np.arange(20,35,2)
print(array)
 6. Create a 3x3 matrix with values ranging from 0 to 8
 [9] arr=np.arange(0,9).reshape(3,3)
print(arr)
7. Concatinate a and b
 a = np.array([1, 2, 3]), b = np.array([4, 5, 6])
[10] a=np.array([1,2,3])
b=np.array([4,5,6])
np.concatenate([a,b])
```