ASSIGNMENT- 1

Python

Programming

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| Assignment Date | 29 September 2022 |
| Student Name | Suriyakala.S |
| Student Roll Number | 911219104014 |
| Maximum Marks | 2 marks |

Questions-1:

write a python program to create & display all combinations of letters, selecting each letter from a

different key in a dictionary.

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| 1 import itertools  2 d={‘1’:[‘a’,’b’], ‘2’:[‘c’,’d’]}  3 for combo in itertools. product(\*[d[k] for k in sorted(d.keys())]):  4 print(“.join(combo)) |

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| OUTPUT  ac  ad  bc  bd |

Question-2:

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| Output  [‘one’]  [‘two’]  [‘three’] |

Write a python program to print a nested lists(each list on a new line) using the print()function.

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| 1 nums=[[‘one’],[‘two’],[‘three’]]  2 print(‘/n’.join(str(lst) for lst in nums])) |

Question-3:

Write a python program to iterate over two lists simultaneously.

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| 1 Num1=[1,2,3]  2 colors=[‘red’,’white’,’block’]  3 for (a,b) in zip(num1, colors):  4 print(a,b) |

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| OUTPUT   1. red 2. white 3. black |

Question-4:

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| 1 f=open (“text.txt’,’w’)  2 str=input(‘enter the Text:’)  3 f.write(str)  4 f.close |

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| OUTPUT  Enter the text: VRB |