Syrian Arab Republic

Lattakia - Tishreen University

Department of Communication and electrical engineering

5th , Network Programming : Homework No1

الجمهورية العربية السورية

اللاذقية -جامعــة تشريـــن

كلية الهندسة الكهربائية والميكانيكية

قسم هندسة الاتصالات والالكترونيات

السنة الخامسة: وظيفة1 برمجة شبكات

إعداد:

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1-

```
l1=['rama','maram','khaled','hadi','jaoudat']
sname=input('enter student name: ')
if sname in l1:
    print(sname,'is graduated')
else:
    print(sname,'is not graduated')
```

```
enter student name: rama
rama is graduated

Process finished with exit code 0
```

B-

```
odds=[x for x in range(1,1001) if x%2!=0]
print(odds)
```

[1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177, 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, 225, 227, 229, 231, 233, 235, 237, 239, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 263, 265, 267, 269, 271, 273, 275, 277, 279, 281, 283, 285, 287, 289, 291, 293, 295, 297, 299, 301, 303, 305, 307, 309, 311, 313, 315, 317, 319, 321, 323, 325, 327, 329, 331, 333, 335, 337, 339, 341, 343, 345, 347, 349, 351, 353, 355, 357, 359, 361, 363, 365, 367, 369, 371, 373, 375, 377, 379, 381, 383, 385, 387, 389, 391, 393, 395, 397, 399, 401, 403, 405, 407, 409, 411, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433, 435, 437, 439, 441, 443, 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465, 467, 469, 471, 473, 475, 477, 479, 481, 483, 485, 487, 489, 491, 493, 495, 497, 499, 501, 503, 505, 507, 509, 511, 513, 515, 517, 519, 521, 523, 525, 527, 529, 531, 533, 535, 537, 539, 541, 543, 545, 547, 549, 551, 553, 555, 557, 559, 561, 563, 565, 567, 569, 571, 573, 575, 577, 579, 581, 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603, 605, 607, 609, 611, 613, 615, 617, 619, 621, 623, 625, 627, 629, 631, 633, 635, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657, 659, 661, 663, 665, 667, 669, 671, 673, 675, 677, 679, 681, 683, 685, 687, 689, 691, 693, 695, 697, 699, 701, 703, 705, 707, 709, 711, 713, 715, 717, 719, 721, 723, 725, 727, 729, 731, 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767, 769, 771, 773, 775, 777, 779, 781, 783, 785, 787, 789, 791, 793, 795, 797, 799, 801, 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823, 825, 827, 829, 831, 833, 835, 837, 839, 841, 843, 845, 847, 849, 851, 853, 855, 857, 859, 861, 863, 865, 867, 869, 871, 873, 875, 877, 879, 881, 883, 885, 887, 889, 891, 893, 895, 897, 899, 901, 903, 905, 907, 909, 911, 913, 915, 917, 919, 921, 923, 925, 927, 929, 931, 933, 935, 937, 939, 941, 943, 945, 947, 949, 951, 953, 955, 957, 959, 961, 963, 965, 967, 969, 971, 973, 975, 977, 979, 981, 983, 985, 987, 989, 991, 993, 995, 997, 999]

C-

```
L=['Network','Math','Programming','Physics','Music']
for i in range(len(L)):
    if L[i][0]=='P':
        print(L[i])
```

```
Programming
Physics

Process finished with exit code 0
```

D-

```
d={x:x**2 for x in range(1,11)}
print(d)
```

```
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100}

Process finished with exit code 0
```

2-

```
def binary(d):
    binary = []
    while d>0:
        binary.append(d%2)
        d//=2
    binary.reverse()
    return binary
n=int(input('enter a number '))
res=binary(n)
for i in res:
    print(i,end='')
```

```
enter a number 14
1110
Process finished with exit code 0
```

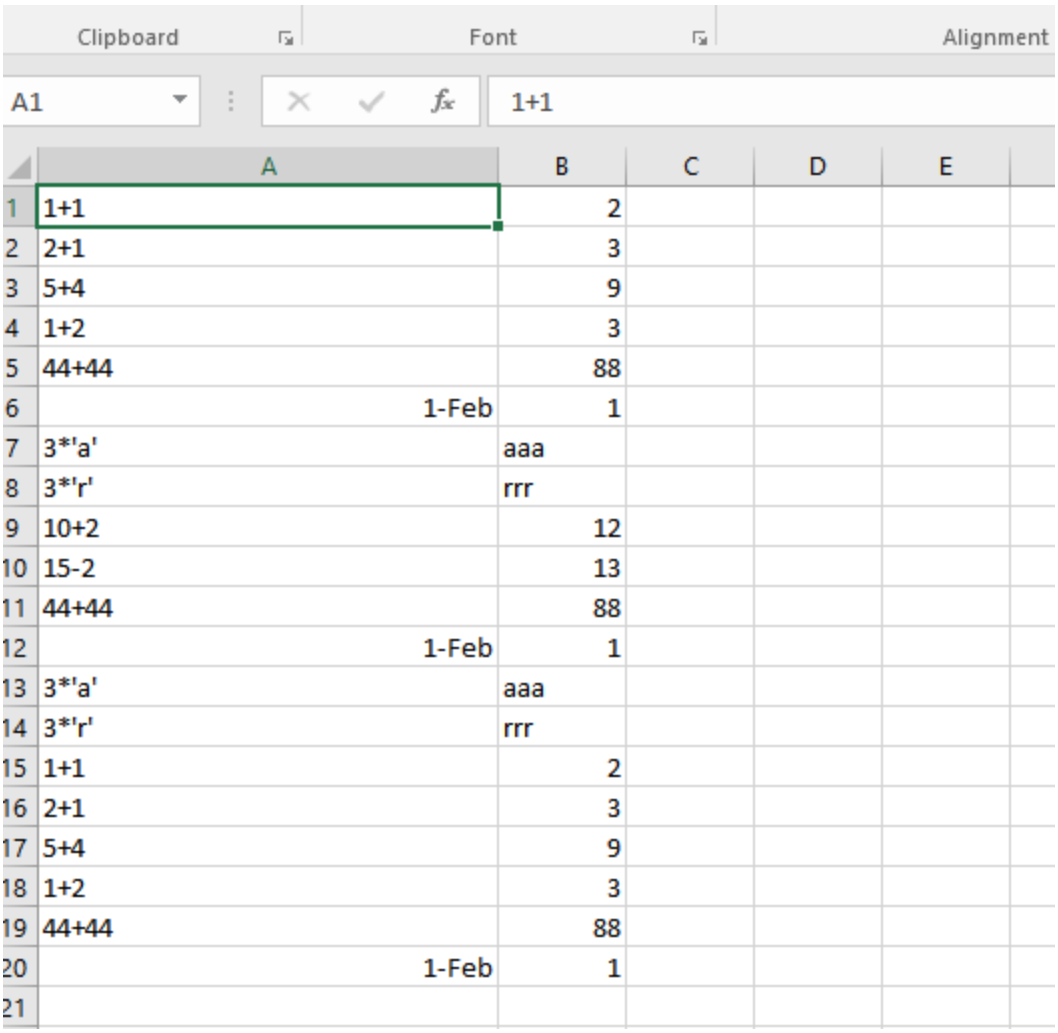
3-

```
def extractfield(file,n):
    infile = open(file, 'r')
    return [line.rstrip().split(',')[n-1] for line in infile]
infile='infile.csv'
outfile=open('outfile.csv','w')
user=input('enter your name: ')
q=extractfield(infile,1)
a=extractfield(infile,2)
count=0
for i in range(len(a)):
    print(q[i])
    s=input()
    if s == a[i]:
        count+=1
l=[user+",",str(count)]
print(l)
outfile.writelines(l)
outfile.close()
```

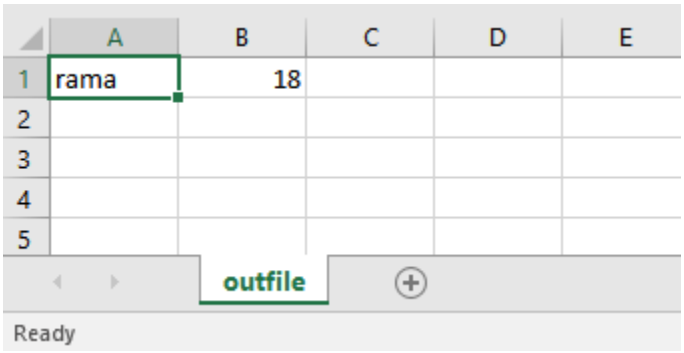
```
enter your name: rama
1+1
2
2+1
3
5+4
9
1+2
3
44+44
88
2-1
1
3*'a'
aaa
3*'r'
rrr
10+2
12
15-2
13
44+44
88
2-1
```

```
1
3*'a'
aaa
3*'r'
rrr
1+1
1
2+1
1
5+4
9
1+2
3
44+44
88
2-1
1
['rama,', '18']

Process finished with exit code 0
```



	A	B	C	D	E
1	1+1	2			
2	2+1	3			
3	5+4	9			
4	1+2	3			
5	44+44	88			
6	1-Feb	1			
7	3*'a'	aaa			
8	3*'r'	rrr			
9	10+2	12			
10	15-2	13			
11	44+44	88			
12	1-Feb	1			
13	3*'a'	aaa			
14	3*'r'	rrr			
15	1+1	2			
16	2+1	3			
17	5+4	9			
18	1+2	3			
19	44+44	88			
20	1-Feb	1			
21					



	A	B	C	D	E
1	rama	18			
2					
3					
4					
5					