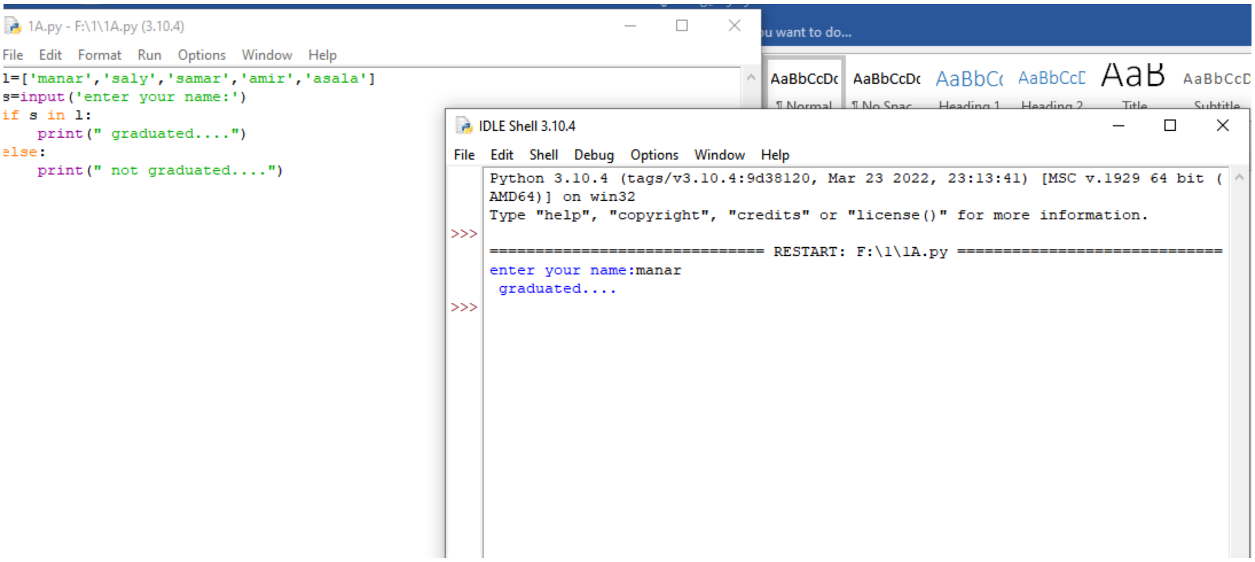
1

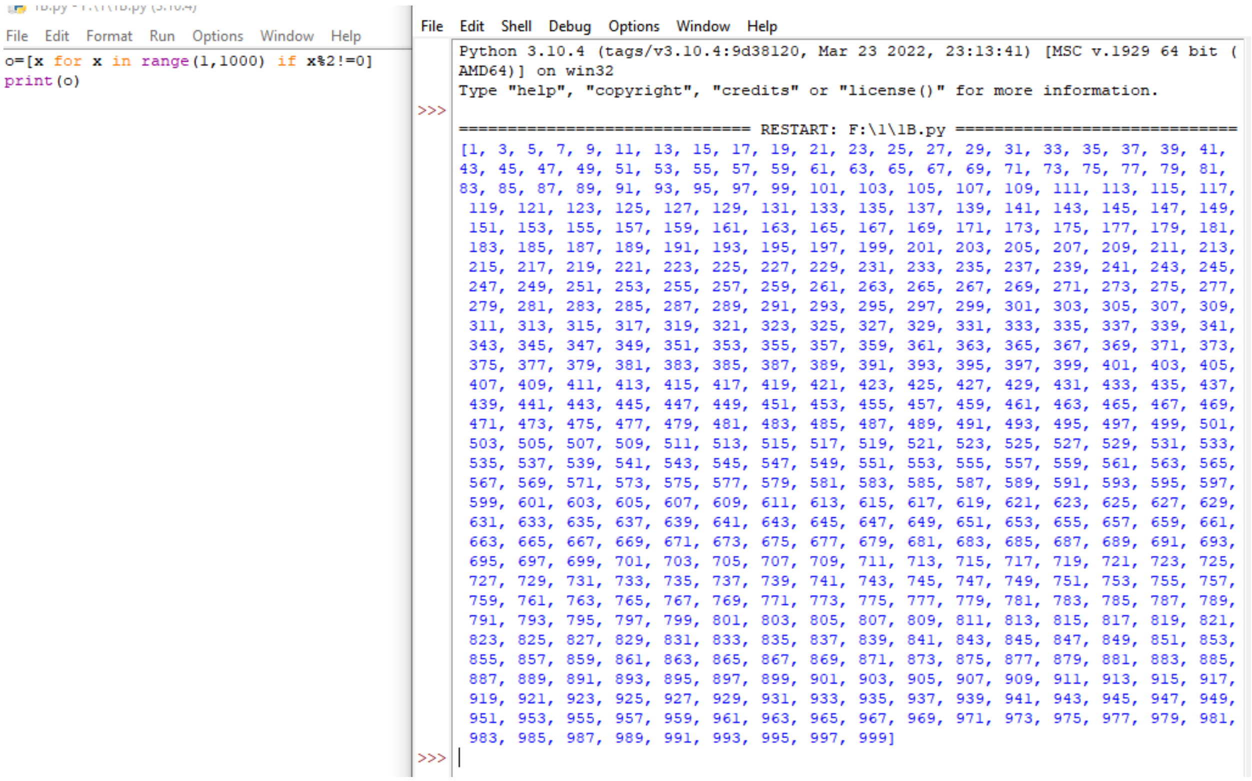
A


1A.py - F:\1\1A.py (3.10.4)
File Edit Format Run Options Window Help
IDLE Shell 3.10.4
File Edit Shell Debug Options Window Help

```
l=['manar','saly','samar','amir','asala']
s=input('enter your name:')
if s in l:
    print(" graduated....")
else:
    print(" not graduated....")
```

```
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 bit (
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
============================== RESTART: F:\1\1A.py =============================
enter your name:manar
 graduated....
>>>
```

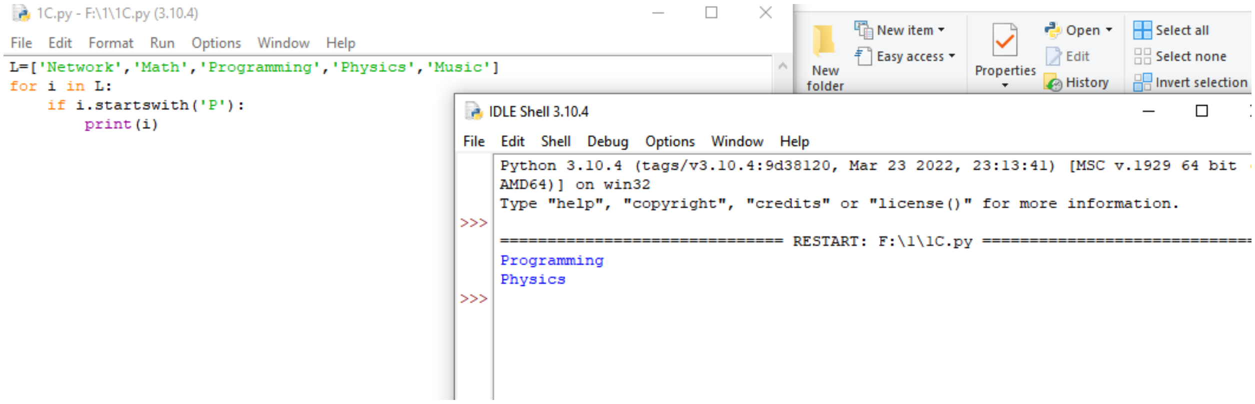
B


1B.py - F:\1\1B.py (3.10.4)
File Edit Format Run Options Window Help
File Edit Shell Debug Options Window Help

```
o=[x for x in range(1,1000) if x%2!=0]
print(o)
```

```
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 bit (
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
============================== RESTART: F:\1\1B.py =============================
[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]
>>>
```

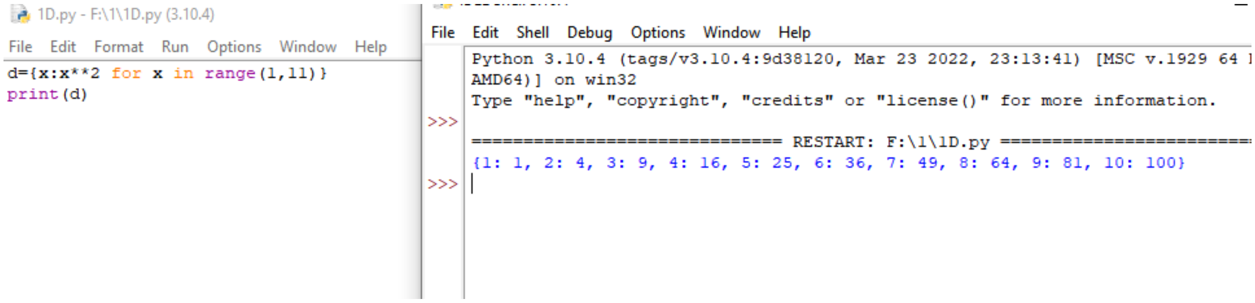
C


1C.py - F:\1\1C.py (3.10.4)
File Edit Format Run Options Window Help
New item
Easy access
New folder
Properties
Open
Edit
History
Select all
Select none
Invert selection
IDLE Shell 3.10.4
File Edit Shell Debug Options Window Help

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

```
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 bit
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
============================== RESTART: F:\1\1C.py =============================
Programming
Physics
>>>
```

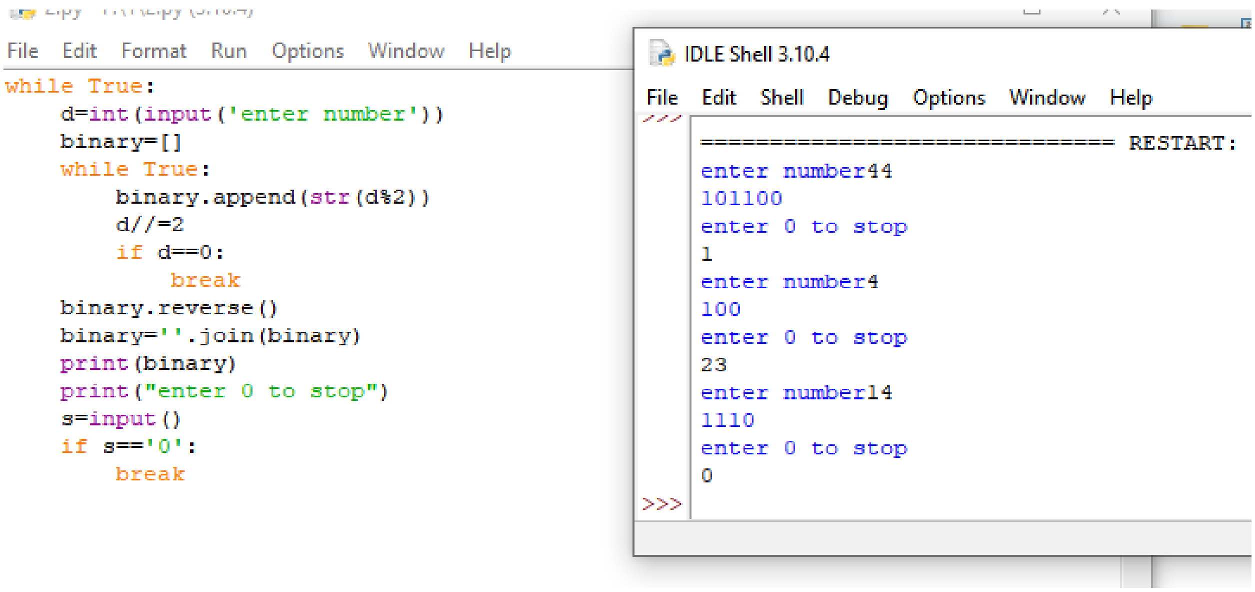
D


1D.py - F:\1\1D.py (3.10.4)
File Edit Format Run Options Window Help
File Edit Shell Debug Options Window Help

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

```
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 I
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
============================== RESTART: F:\1\1D.py ==========================
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100}
>>> |
```

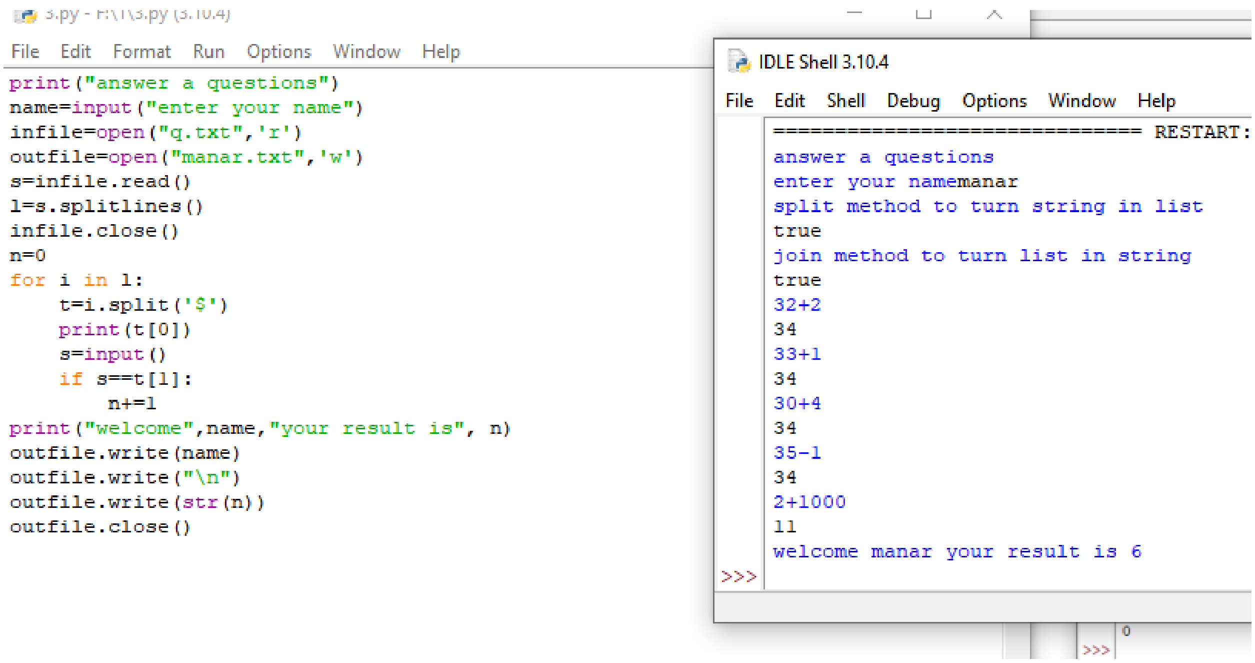
2


2.py - F:\1\2.py (3.10.4)
File Edit Format Run Options Window Help
IDLE Shell 3.10.4
File Edit Shell Debug Options Window Help

```
while True:
    d=int(input('enter number'))
    binary=[]
    while True:
        binary.append(str(d%2))
        d//=2
        if d==0:
            break
    binary.reverse()
    binary=''.join(binary)
    print(binary)
    print("enter 0 to stop")
    s=input()
    if s=='0':
        break
```

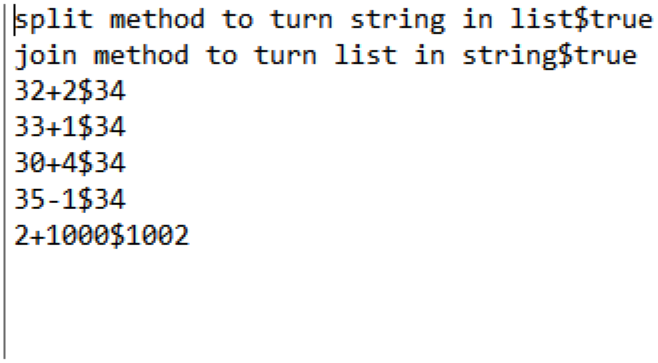
```
============================== RESTART:
enter number44
101100
enter 0 to stop
1
enter number4
100
enter 0 to stop
23
enter number14
1110
enter 0 to stop
0
>>>
```

3

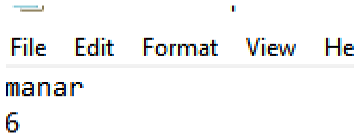

3.py - F:\1\3.py (3.10.4)
File Edit Format Run Options Window Help
IDLE Shell 3.10.4
File Edit Shell Debug Options Window Help

```
print("answer a questions")
name=input("enter your name")
infile=open("q.txt",'r')
outfile=open("manar.txt",'w')
s=infile.read()
l=s.splitlines()
infile.close()
n=0
for i in l:
    t=i.split('$')
    print(t[0])
    s=input()
    if s==t[1]:
        n+=1
print("welcome",name,"your result is", n)
outfile.write(name)
outfile.write("\n")
outfile.write(str(n))
outfile.close()
```

```
============================== RESTART:
answer a questions
enter your namemanar
split method to turn string in list
true
join method to turn list in string
true
32+2
34
33+1
34
30+4
34
35-1
34
2+1000
11
welcome manar your result is 6
>>>
```



```
split method to turn string in list$true
join method to turn list in string$true
32+2$34
33+1$34
30+4$34
35-1$34
2+1000$1002
```



```
manar
6
```