

What would be the output of the following piece of code, for m=64, n=162?

```
1 n = input('Enter n=')
2 m = input('Enter m=')
3 n = int(n)
4 m = int(m)
5
6 while m != n :
7     if m > n :
8         m = m - n
9     else :
10        n = n - m
11
12 print (m)
```

```
Enter n=162
Enter m=64
2
```

What would be the output of the following piece of code, for n = 7?

```
1 n = input('Enter n=')
2 n = int(n)
```

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```
6 m = n
7 mystr = ''
8 while m > 0 :
9     m = m - 1
10    mystr = mystr + '*'
11
12 print (mystr)
13 n = n - 1
14
```

```
Enter n=7
*****
*****
*****
****
***
**
*
```

What would be the output of the following piece of code, for n = 7?

```

1 n = input('Enter n = ')
2 n = int(n)
3
4 n1 = n
5
6 while n > 0 :
7
8     m = n1 - n + 1
9     mystr = ''
10    while m > 0 :
11        m = m - 1
12        mystr = mystr + '*'
13
14    print (mystr)
15    n = n - 1

```

```

☞ Enter n = 7
*
**
***
****
*****
*****
*****

```

▼ What is the output of the following program?

```

1 a = [ 1, 'abcd, 3.14', 67, [34, 12], -900, 5]
2
3 b = []
4 for x in a :
5     b = [x] + b
6

```

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```
☞ [5, -900, [34, 12], 67, 'abcd, 3.14', 1]
```

▼ What is the output of the following program?

```

1 a = [90, 23, 4, -89, 203, 80, 12]
2
3 n = len(a)
4
5 for i in range(n) :
6     for j in range(n-1) :
7         if a[j] > a[j+1] :
8             a[j], a[j+1] = a[j+1], a[j]
9
10 print (a)

```

```
☞ [-89, 4, 12, 23, 80, 90, 203]
```

▼ What is the output of the following program?

```

1 a, b, c = 1, 2, 3

```

```
2 |
3 | print (a==2 or b==1 or False or c==2 or 34, 34 and a and c==3 and 12 and True and b)
```

☞ 34 2

▼ **What is the output of the following program, for n = 30?**

```
1 | n = input('Enter n = ')
2 | n = int(n)
3 |
4 | while n > 1 :
5 |     m = 2
6 |     while m <= n/2 :
7 |         if n%m==0 :
8 |             break
9 |         m = m + 1
10 |
11 |     if m > n/2 :
12 |         print (n)
13 |
14 |     n = n - 1
```

☞ Enter n = 30
29
23
19
17
13
11

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▼ **What is the output of the following program, for n = 15?**

```
1 | n = input('Enter n = ')
2 | n = int(n)
3 |
4 | mylist = []
5 |
6 | for i in range(n) :
7 |     for j in range(n) :
8 |         for k in range(n) :
9 |
10 |             if i<j and j<k :
11 |                 mylist = mylist + [ (i,j,k) ]
12 |
13 | print (len(mylist))
```

☞ Enter n = 15
455

▾ What is the output of the following program?

```
1 n1 = 10
2 n2 = 15
3
4 a = set()
5
6 while n1>0 and n2>0:
7     n1 = n1 - 1
8     n2 = n2 - 3
9
10    a.add(n1)
11    a.add(n2)
12
13
14 print (a)
15
```

➤ {0, 3, 5, 6, 7, 8, 9, 12}

▾ Where is the output of the following program?

```
1 a = [[[31,2,3,4,6]]]
2
3 b = [31,2] + [3] + [4,6]
4
5 if [b] in a :
6     print (a[0][0][0])
7 else :
8     print (a[0][0])
```

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