

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)
```

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 while n > 0 :
5
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
```

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
```

▼ 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
7
8 print (b)
```

▼ 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)
```

▼ 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)
```

▼ 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
```

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))
```

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
```

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]).
```

