Emposife Es 2021 for Es1

Chapter 11 Output Slides For Students

PowerPoint Presentation
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Output Programs

These slides will present a variety of small programs. Each program has a *compound* condition which uses the Boolean Logic that was introduced in this chapter.

Our concern will be with the output of each program, and more importantly, developing a way to determine program output correctly for programs that involve compound conditions.

You can expect that on quizzes and/or tests only a program segment or a subroutine is shown.

Teacher/Student Versions, Tablet PCs, and Inking

The "For Teachers" version of this presentation has 2 slides for each program.

The first slide only shows the program.

The second shows the program, worked out solution, and output.

The "For Students" version only has 1 slide for each program with no provided solution or output. Students are expected to work out the solutions either on paper, or ideally they can "ink" directly on their laptops.

```
1 # Output1101
 2
   print()
4 x = 10
 5 y = 20
 6 z = 30
  if x < y or y > z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1102
 2
 3 print()
4 x = 10
 5 y = 20
 6 z = 30
  if x < y and y > z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1103
 2
 3 print()
 4 x = 10
 5 y = 20
 6 z = 30
  if x > y or y > z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1104
 2
 3 print()
 4 x = 10
 5 | y = 20
 6 z = 30
  if x > y and y > z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1105
 2
   print()
 4 x = 10
 5 y = 20
 6 z = 30
  if x < y or y < z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1106
 2
   print()
4 x = 10
 5 y = 20
 6 z = 30
  if x < y and y < z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1107
 2
 3 print()
 4 x = 10
 5 y = 20
 6 z = 30
  if x < y < z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1108
 2
 3 print()
4 x = 10
 5 y = 20
 6 z = 20
  if x == y or y == z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1109
 2
 3 print()
4 x = 10
 5 y = 20
 6 z = 20
  if x == y and y == z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1110
 3 print()
4 x = 10
 5 y = 20
 6 z = 20
  if not(x == y or y == z):
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1111
 2
 3 print()
4 x = 10
 5 y = 20
 6 z = 20
  if x != y or y != z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1112
 2
 3 print()
4 x = 10
 5 y = 20
 6 z = 20
  if x != y and y != z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1113
 2
 3 print()
4 x = 20
 5 y = 20
 6 z = 20
  if x > y > z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1114
 2
 3 print()
4 x = 20
 5 y = 20
 6 z = 20
  if x >= y >= z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1115
 2
 3 print()
 4 x = 20
 5 y = 20
 6 z = 20
  if x == y == z:
      print("Hello")
   else:
10
      print("Goodbye")
11
12
```

```
1 # Output1116
 2
 3 print()
 4 x = 10
 5 y = 20
 6 z = 30
   while x < y < z:
 9
      x += 1
10
      z -= 1
11
12 print(x,y,z)
13
```

```
1 # Output1117
 2
 3 print()
 4 x = 10
 5 y = 20
 6 z = 30
   while x < y or y < z:
 9
      x += 3
      z -= 2
10
11
12 | print(x,y,z)
13
```

```
1 # Output1118
 2
 3 print()
 4 x = 10
 5 y = 20
 6 z = 30
   while x < y and y != z:
      x *= 2
 9
10
      z -= 1
11
12 | print(x,y,z)
13
```

```
1 # Output1119
 2
   print()
 4 x = 10
 5 y = 20
 6 z = 30
   while x < y or y != z:
      x *= 2
 9
      z -= 5
10
11
12 | print(x,y,z)
13
```

```
1 # Output1120
 2
   print()
 4 x = 10
 5 y = 20
 6 z = 30
   while x + y < z or x + y > z:
      x *= 2
 9
     z -= 5
10
11
12 | print(x,y,z)
13
```