

1. C
2. B
3. A
4. C
5. C
6. B
7. B
8. B
9. C
10. C
11. C
12. B
13. B
14. B
15. C
16. B
17. B
18. A
19. B
20. B
21. C
22. C
23. B
24. B
25. B
26. C
27. A
28. B
29. A
30. A
31. F
32. T
33. T
34. F
35. T
36. F
37. T
38. F
39. F
40. T
41. The difference between the two is that the Sep parameter controls what characters appear between values being printed with the default being a space. While the end parameter controls what appears after all values are printed with the default making a new line.

42. Error explanation: The Input function is returning a string rather than a number so when you try to multiply it it gives you a type error so you need to convert it into a float before you can do anything.

The Fixed Code

```
price = float(input("Enter the price: "))  
total = price * 1.08  
print(f"Total with tax: ${total:.2f}")
```

43. a. text[0:5]
b. text[7:12]
c. text[: -1]
d. text[:2]
44. The .find and .index methods both return the index of the first occurrence of a substring but if there is no occurrence of what you are searching for the .find returns -1 while the .index returns ValueError.

Use .find when you are not sure if there is that particular substring; use .index when you are certain that there is a certain substring because it won't cause an error.

45. Expression 1 returns true because 123 contains only digits
Expression 2 returns false because it has a period in it and not just digits
Expression 3 returns true because it returns only numbers and letters