

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