1. Write a Python program to check if a given string is a valid identifier.
2. Write a Python program to display all Python keywords.
3. Write a Python program to convert an integer to binary, octal, and hexadecimal.
4. Give an example of implicit type conversion in Python.
5. Write a Python program to convert a float to an integer and explain the result.
6. Why does 1.1 + 2.2 not exactly equal 3.3 in Python?
7. When should we use the decimal module instead of float?
8. Give an example of creating a Fraction from a string.
9. Write a Python program to add two complex numbers.
10. How can you extract real and imaginary parts of a complex number?
11. Write a Python program to check if a keyword exists in Python.
12. Write a Python program to swap two variables without a temporary variable.
13. Write a Python program to print the memory address of a variable.
14. Write a Python program to check whether an identifier is valid.
15. Write a Python program to display the type of a variable.
16. Write a menu Python program **for a given string:**
17. print its length without using len() function.
18. print the first and last characters of a string.
19. reverse a string using slicing.
20. count how many vowels are present in a given string.
21. check if a string is a palindrome.
22. check if a given word exists in a string.
23. replace all occurrences of "Python" with "Java" in a string.
24. remove all spaces from a string.
25. count how many words are in a sentence.
26. find the frequency of each character in a string.
27. extract the middle three characters from a string.
28. convert all characters in a string to uppercase.
29. convert a sentence into title case (first letter of each word capitalized).
30. check if a string starts with "Hello".
31. check if a string ends with "World".
32. split a sentence into a list of words.
33. join a list of words into a single string with spaces.
34. remove all punctuation marks from a string.
35. print the ASCII value of each character in a string.
36. find the most frequent character in a string.