PYTHON

Assignment – 2

1. **Create three different identifiers for variables and assign them the values 10, 20, and 30. Print the values of these variables.**

2. **Write a program that tries to use an identifier starting with a number and observe the error message. Explain why the error occurred.**

3. **List 10 reserved keywords in Python and explain why they can't be used as identifiers.**

4. **Write a program using at least five different reserved keywords correctly.**

5. **Declare two variables, name and age, and assign them your name and age. Print a sentence that uses both variables.**

6. **Define a constant PI with the value 3.14159. Use comment to explain about it.**

7. **Write a Python program with a simple if-else condition that prints "Even" if a number is even and "Odd" if it is odd. Ensure the program is properly indented.**

8. **Write a Python program that includes at least three comments explaining what different parts of the code do.**

9. **Create a multi-line comment that describes the purpose of a program that calculates the area and perimeter of a rectangle.**

10. **Define a variable named favorite_color and assign it your favorite color. Write a comment explaining why you chose that color and how comments are useful in code.**