1. Differentiate between lists and tuples in Python. Provide an example of each.
2. Explain the concept of conditional statements in Python. Write a program that determines if a given number is even or odd.
3. Define a dictionary in Python. Provide a practical example of using a dictionary to store and retrieve data.
4. Describe the purpose of loops in Python. Write a program that prints the first ten multiples of a given number using a loop.
5. Demonstrate the concept of list comprehension in Python by creating a list of squares for numbers from 1 to 10.