Here are some assignment questions based on if statements in Python:

1. Write a Python program to check if a number is positive or negative.
2. Write a Python program to check if a number is even or odd.
3. Write a Python program to check if a person is eligible to vote or not.
4. Write a Python program to check if a number is a palindrome or not.
5. Write a Python program to check if a person is a student or not based on their age and marks.

Here are some assignment questions based on if-else statements in Python:

1. Write a Python program that asks the user for their age and prints "You are an adult" if they are 18 or older, and "You are a minor" otherwise.

2. Write a Python program that asks the user for a number and prints "The number is even" if the number is even, and "The number is odd" otherwise.

3. Write a Python program that asks the user for their grade (A, B, C, D, or F) and prints "You passed" if the grade is A, B, or C, and "You failed" otherwise.

4. Write a Python program that asks the user for the temperature outside and prints "It's hot" if the temperature is above 75, "It's mild" if the temperature is between 50 and 75, and "It's cold" otherwise.

5. Write a Python program that asks the user for their name and prints "Hello, admin" if the name is "admin", and "Hello, guest" otherwise.

6. Write a Python program that asks the user for a number and prints "The number is positive" if the number is greater than 0, "The number is negative" if the number is less than 0, and "The number is zero" otherwise.

7. Write a Python program that asks the user for their age and prints "You can vote" if they are 18 or older, and "You can't vote" otherwise.

8. Write a Python program that asks the user for a number and prints "The number is a multiple of 5" if the number is a multiple of 5, and "The number is not a multiple of 5" otherwise.

Here are some assignment questions based on elif (else if) statements in Python:

1. Write a Python program that asks the user for their age and prints:

   - "You are a kid" if they are under 13

   - "You are a teenager" if they are 13 or older but under 20

   - "You are an adult" if they are 20 or older

2. Write a Python program that asks the user for a number and prints:

   - "The number is less than 10" if the number is less than 10

   - "The number is between 10 and 20" if the number is between 10 and 20 (inclusive)

   - "The number is greater than 20" if the number is greater than 20

3. Write a Python program that asks the user for their grade (A, B, C, D, or F) and prints:

   - "You passed with honors" if the grade is A or B

   - "You passed" if the grade is C or D

   - "You failed" if the grade is F

4. Write a Python program that asks the user for the temperature outside and prints:

   - "It's hot" if the temperature is above 80

   - "It's mild" if the temperature is between 50 and 80

   - "It's cold" if the temperature is under 50

5. Write a Python program that asks the user for their name and prints:

   - "Hello, admin" if the name is "admin"

   - "Hello, guest" if the name is not "admin" but is on a list of approved guests

   - "Access denied" if the name is not "admin" and not on the list
of approved guests

Here are some examples of nested if-else assignment questions in Python:

1. Write a Python program to check if a number is positive, negative, or zero.

1. Write a Python program to check if a person is eligible to vote or not based on their age and citizenship.

1. Write a Python program to check if a student has passed or failed based on their marks.

1. Write a Python program to check if a person is a senior citizen or not based on their age.

1. Write a Python program to check if a number is a palindrome or not.