Here are the assignment questions based on elif (else if) statements in Python with solutions:

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

Solution:

```
num = int(input("Enter a number: "))

if num > 0:

    print("Positive")

elif num < 0:

    print("Negative")

else:

    print("Zero")
```

2. Write a Python program to check if a person is eligible to vote or not based on their age using elif statements.

Solution:

```
age = int(input("Enter your age: "))

if age >= 18:

    print("Eligible to vote")

elif age < 18:

    print("Not eligible to vote")
```

3. Write a Python program to check if a student has passed or failed based on their marks using elif statements.

Solution:

```
marks = int(input("Enter your marks: "))

if marks >= 50:

    print("Passed")
```

```
elif marks < 50:

    print("Failed")
```

4. Write a Python program to check if a person is a senior citizen or not based on their age using elif statements.

Solution:

```
age = int(input("Enter your age: "))

if age >= 60:

    print("Senior citizen")

elif age < 60:

    print("Not a senior citizen")
```

5. Write a Python program to check if a number is even, odd, or zero using elif statements.

Solution:

```
num = int(input("Enter a number: "))

if num % 2 == 0:

    print("Even")

elif num % 2 != 0:

    print("Odd")

else:

    print("Zero")
```