Python If Condition Programs

1. Check Positive, Negative or Zero

```
num = int(input("Enter a number: ")) if num > 0: print("Positive number") elif num <
0: print("Negative number") else: print("Zero")
```

2. Check Even or Odd

```
num = int(input("Enter a number: ")) if num % 2 == 0: print("Even") else:
print("Odd")
```

3. Largest of Two Numbers

```
a = int(input("Enter first number: ")) b = int(input("Enter second number: ")) if a
> b: print("Largest is:", a) else: print("Largest is:", b)
```

4. Eligible to Vote

```
age = int(input("Enter your age: ")) if age >= 18: print("You are eligible to
vote.") else: print("You are not eligible to vote.")
```

5. Grade System

```
marks = int(input("Enter marks: ")) if marks >= 90: print("Grade A") elif marks >=
75: print("Grade B") elif marks >= 50: print("Grade C") else: print("Fail")
```

6. Leap Year Check

```
year = int(input("Enter a year: ")) if (year % 4 == 0 and year % 100 != 0) or (year %
400 == 0): print(year, "is a Leap Year") else: print(year, "is not a Leap Year")
```

7. Largest of Three Numbers

```
a = int(input("Enter first number: ")) b = int(input("Enter second number: ")) c =
int(input("Enter third number: ")) if a >= b and a >= c: print("Largest is:", a)
elif b >= a and b >= c: print("Largest is:", b) else: print("Largest is:", c)
```

8. Check Character is Vowel or Consonant

```
ch = input("Enter a character: ").lower() if ch in 'aeiou': print("Vowel") else:
print("Consonant")
```

9. Check Number is Divisible by 5 and 11

```
num = int(input("Enter a number: ")) if num % 5 == 0 and num % 11 == 0:
print("Divisible by both 5 and 11") else: print("Not divisible by 5 and 11")
```

10. Check Eligibility for Driving License

```
age = int(input("Enter your age: ")) if age >= 18: print("You are eligible for a
driving license.") else: print("You are not eligible.")
```