Scenario Based Set-2

1.
```
if amount > 0:
    print("Transaction is Positive (Deposit)")
elif amount < 0:
    print("Transaction is Negative (Withdrawal)")
else:
    print("Transaction is Zero (No transaction)")
```

2.
```
digit_sum = 0
for digit in str(passcode):
digit_sum += int(digit)
```

3.
```
reverse_id = 0
num = transaction_id

while num > 0:
    digit = num % 10
    reverse_id = reverse_id * 10 + digit
    num //= 10
```

4.
```
if user_id > 1:
    for i in range(2, int(user_id ** 0.5) + 1):
        if user_id % i == 0:
            print("User ID is NOT Prime")
            break
    else:
        print("User ID is Prime")
else:
    print("User ID is NOT Prime")
```

5.
```
def factorial(n):
    if n == 0 or n == 1:
        return 1
    else:
        return n * factorial(n - 1)
```

6.
```
num_str = str(num)
power = len(num_str)
armstrong_sum = sum(int(digit) ** power for digit in num_str)
if num == armstrong_sum:
    print(num, "is an Armstrong number (Jackpot Winner!)")
else:
print(num, "is NOT an Armstrong number")
```

7.
```
if len(password) > 1:
    new_password = password[-1] + password[1:-1] + password[0]
else:
new_password = password
```

8.
```
binary = bin(decimal)[2:]
```

9.
```
words = sentence.split()
longest_word = max(words, key=len)
```

10.
```
str1 = str1.replace(" ", "").lower()
str2 = str2.replace(" ", "").lower()

if sorted(str1) == sorted(str2):
    print("The strings are Anagrams")
else:
    print("The strings are NOT Anagrams")
```