**1.Transaction Type**

1. Read the input amount
2. Check the amount Using “if” the entered amount is greater then zero print positive
3. If it Is less than 0 print negative
4. If it is zero print no transaction

**2.Sum the digits in number**

1. Get the input
2. Initialize the sum to zero
3. Iterate through each value
4. Add the sum to the initialized sum which is 0
5. Print the result

**3.Logic to take number and return its reverse:**

1. Take the input number
2. Convert it to a string
3. Then reverse the number
4. Covert It again to a number
5. Print the result

**4.Prime numbers:**

1. Get the input number
2. For the numbers less than 0 return false
3. For the range of numbers from 2 to the square root of the input
4. Use if it is divisible by and gives remainder 0 print not prime
5. Else return True or print prime

**5.Factorial**

1. Take the input from user
2. Check the number is equals to 0 if so it should return 1
3. Else return the number multiplied by the factorial of (number - 1
4. Print result

**6.Armstrong number**

1. Take the input
2. Count the number of digits in the input
3. Convert the input to a str for iteration
4. Keep total=0
5. For each digit in the number raise the power to the total number of digits
6. Add the result to the total
7. Check the input to the total if they are equal print true
8. Else:
9. Return false

**7.Swapping first and last characters**

1. Take the input from the user
2. Check the length if it is 1 print the same
3. Get first,last ans and middle character from the input
4. Swap the first and last character
5. Print new result with last middle and first

**8.Decimal number to binary**

1. Take the decimal input
2. Assume binary as empty string or list
3. If Decimal 0 and binary should be 0
4. Else while decimal greater than 0

* It should check the remainder by decimal%2
* Binary will be string of remainder and it to the binary which used as an empty one
* Then inorder to stop executing again and again use floor division

1. And then print the output binary

**9.Longest word in the given sentence**

1.Get the sentence from the user

2.split the words in the sentence

3. assume an empty variable

4. Iterate each words in the sentence

5. If the length of word greater than longest then store the word in the longest

6. print the longest word

**10.Two strings are anagrams**

1. Take 2 inputs from the user and covert into lower case
2. If sorted word 1 is equal to sorted word 2
3. Print anagram
4. else print not an anagram