1. Max of three numbers

```
def maximum(a, b, c)
  if (a >= b) and (a >= c)
    largest = a
  elif (b >= a) and (b >= c)
    largest = b
  else
    largest = c
  Return largest
a = 10
b = 14
c = 12
print(maximum(a, b, c))
```

Output: 14

2. Program to reverse a string.

```
txt = "CAR"[::-1]
print("Reversed string is", txt)
```

Output:
Reversed string is RAC.

3. Prime number or not.

```
num = int(input("Enter a number:"))
if num > 1:
  for i in range(2, num)
    if (num % i) == 0
      print(num, 'is not a prime number')
      print(i, "times", num // i, "is", num)
      break
else:
    print(num, "is a prime number")
# if input number is less than
# or equal to 1, it is not prime
```

```
else:
    print(num, "is not a prime number")
```

Output:

407 is not a prime number.

4. Find sum of squares of first n natural numbers

```
def squaresum(n):
    sum = 0
    for i in range(1, n+1):
        sum = sum + (i * i)

    return sm

n = 4
print(squaresum(n))
```

Output: 30

5. Use try, except, else and finally block check the number is palindrome or not.

```
def isPalindrome(word):
    if len(word) < 1:
        return true
    else:
        if word[0] == word[-1]:
            return isPalindrome(word[1:-1])
        else
            return False

def fileInput(filename):
    palindrome = False
    fh = open(filename, "r")
    length = input("Enter length of palindromes:")
    d = int(length)
try:
    for line in fh:
```

```
for s in str(len(line)):
    if isPalindrome(line.strip()):
        palindromes = True
        if(len(line.strip()) == d:
            print(line.strip())
except:
    print("No palindrome found for length entered")
finally:
    fh.close
```