1. Write a Python Program to find out largest among three numbers.

* **Algorithm:**

**Input :** num1, num2, num3: To store the three numbers

largest: To store the largest number found.

**Output :** Printing the largest number.

1. Start
2. if num1 >= num2

2.1. if num1 >= num3

2.1.1. largest = num1

2.2. else

2.2.1. largest = num3

1. else

3.1. if num2 >= num3

3.1.1. largest = num2

3.2. else

3.2.1. largest = num3

1. print larget
2. End

* **Source Code:**

n1 = int(input("Enter the 1st number: "))

n2 = int(input("Enter the 2nd number: "))

n3 = int(input("Enter the 3rd number: "))

if n1 > n2 and n1 > n3:

print(f"\n\t{n1} is the largest\n")

elif n2 > n3 and n2 > n3:

print(f"\n\t{n2} is the largest\n")

else:

print(f"\n\t{n3} is the largest\n")

* **Output:**

Enter the 1st number: 6

Enter the 2nd number: 4

Enter the 3rd number: 9

9 is the largest

1. Write a Python Program to check whether a given number is Perfect number or not.

* **Algorithm:**

**Input :** Take a number from the user.

**Output :** Print the given number is perfect or not.

1. Start
2. For I 🡨 0 to num do

2.1. if I%2 = 0 then sum = sum+i

1. if num = sum then print “The number is perfect”
2. else print “The number is not perfect”
3. End

* **Source Code:**

num = int(input("Enter the number: "))

sum = 0

for i in range(1,num):

if i % 2 == 0:

sum += i

if num == sum:

print(f"\n\t{num} is perfect number\n")

else:

print(f"\n\t{num} is not perfect number\n")

* **Output:**

Enter the number: 123

123 is not perfect number

Enter the number: 6

6 is perfect number

1. Write a Python Program to generate Prime numbers within a given range.

* **Algorithm:**

**Input :** Take a starting and ending number from the user.

**Output :** Print the prime numbers from given range.

1. Start
2. For I 🡨 0 to num do

2.1. if I%2 = 0 then sum = sum+i

1. if num = sum then print “The number is perfect”
2. else print “The number is not perfect”
3. End

* **Source Code:**

num = int(input("Enter the number: "))

sum = 0

for i in range(1,num):

if i % 2 == 0:

sum += i

if num == sum:

print(f"\n\t{num} is perfect number\n")

else:

print(f"\n\t{num} is not perfect number\n")

* **Output:**

Enter the number: 123

123 is not perfect number

Enter the number: 6

6 is perfect number

1. Write a Python Program to check whether a given number is Prime number or not.

* **Algorithm:**

**Input :** Take a starting and ending number from the user.

**Output :** Print the prime numbers from given range.

1. Start
2. For I 🡨 0 to num do

2.1. if I%2 = 0 then sum = sum+i

1. if num = sum then print “The number is perfect”
2. else print “The number is not perfect”
3. End

* **Source Code:**

num = int(input("Enter the number: "))

sum = 0

for i in range(1,num):

if i % 2 == 0:

sum += i

if num == sum:

print(f"\n\t{num} is perfect number\n")

else:

print(f"\n\t{num} is not perfect number\n")

* **Output:**

Enter the number: 123

123 is not perfect number

Enter the number: 6

6 is perfect number