

Sigma 5.0

45 %

- What to Install? (on your laptop/computer) 03:29
- Installation Resources pdf
- 6. Flowcharts & Pseudocodes
- What are Flowcharts? video 04:13
- Flowchart Components video 05:53
- Sum of 2 Numbers video 03:31
- Calculate Simple Interest video 04:56
- Max of 3 Numbers 06:26
- Find if a Number is Prime or not video 10:33

Find max of 3 numbers

Pseudo Code

- Start
- Input a, b & c
- if $a > b$ do
 - if $a > c$ do
 - print a
 - else
 - print c
- else
 - if $b > c$ do
 - print b
 - else
 - print c
- Exit

Flowchart

```

graph TD
    Start([Start]) --> Input[/input a, b & c/]
    Input --> IsAB[is a > b?]
    IsAB -- YES --> IsAC[is a > c?]
    IsAB -- NO --> IsBC[is b > c?]
    IsAC -- YES --> PrintA[/print a/]
    IsAC -- NO --> PrintC[/print c/]
    IsBC -- YES --> PrintB[/print b/]
    IsBC -- NO --> PrintC
    PrintA --> Exit([Exit])
    PrintB --> Exit
    PrintC --> Exit
  
```

Input
3 numbers :
a, b & c

Output
max of 3

← Back to course page

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Find if number is prime

Pseudo Code

- Start
- Input n
- let $div = 2$
- while $div < n$ do
 - if $n \% div == 0$ do
 - print "NOT prime"
 - Exit
 - else
 - $div = div + 1$
- Print prime
- Exit

Flowchart

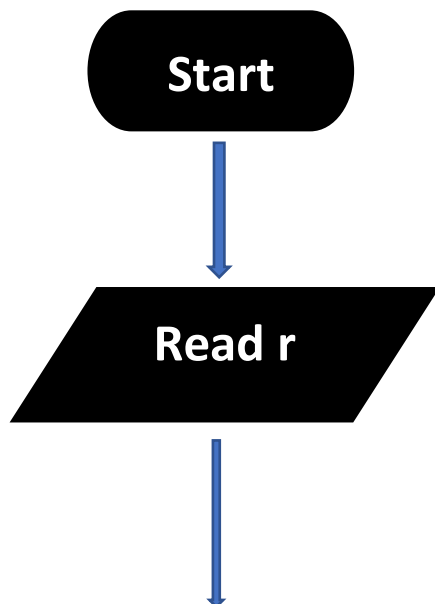
```

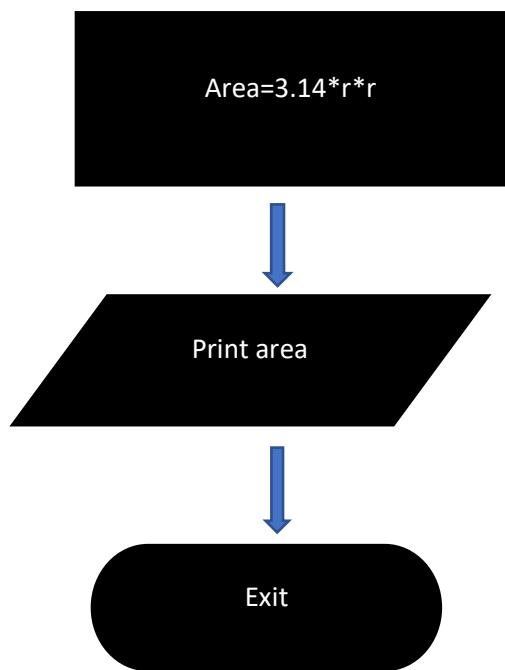
graph TD
    Start([Start]) --> Input[/input n/]
    Input --> LetDiv[let div = 2]
    LetDiv --> IsDivN[is div < n?]
    IsDivN -- NO --> PrintPrime[/print prime/]
    IsDivN -- YES --> IsModZero[is n % div == 0?]
    IsModZero -- YES --> PrintNotPrime[/print NOT prime/]
    IsModZero -- NO --> DivInc[div = div + 1]
    DivInc --> IsDivN
    PrintPrime --> Exit([Exit])
    PrintNotPrime --> Exit
  
```

Input
number, n

Output
prime or not prime

1. Flowchart to calculate the area of the circle





Greates among three numbers

