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CPSC 357

Pseudocode

1. Is my number prime?

```
Function isPrime(Input num) -> return type bool {
        Boolean variable set to true
        For number in range 2 to the number before Input num{
                If number divided by the number being looped has no remainder{
                        Boolean variable is true
                }
                Else {
                        Boolean variable is false
                }
        }
        Return boolean variable
}

call and print isPrime(Input Int)
```

2. How much time should I wait?

```
Function waitingTime(first hour Int, first min int, second hour int, second min int){
        Declare constant hours in mins = 60
        Declare constant days in hours = 24
        Declare variable hour difference
        Declare variable minute difference

If first hour is smaller than second hour{
        Assign hour difference to second hour - first hour
        } else {
        Assign hour difference to hours in a day - first hour + second hour
        }

If first minute is smaller than second minute {
        Assign min difference to second min - first min
        } else {
        Assign min difference to mins in an hour - first minute + second minute
        Take into account of min difference and subtract an hour from hour difference
        }

If there is 9 mins or less difference {
```

```
                Print with a 0 before mins
                }else{
                Print normal according to specs
        }

}
```

ATTEMPTED:
4. Is my email correct?

```
Function Email(Input string) -> return type bool {
        Boolean value set to true
        If string contains space {
                Boolean is false
        {
        For character in Input string {
        Variable to store current index
                If character = @ {
                Store substring before @ to variable name
                Variable restofstring to store string after @
                        For char in restofstring {
                                If character = . {
                                Boolean is true
                        } else {
                                Boolean is false
                        }
                }

        }
        Return boolean

}


}
```